GI	none	Score	39
Exons	10834..10860, 10836..10859, 10967..11059, 10969..11058, 10970..11059, 12372..12464, 12376..12462, 12537..12602, 12542..12616, 12546..12602, 12866..12937, 12869..12955, 13028..13105, 13030..13107, 13033..13104, 13205..13288, 13225..13287		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o1.tc	Method	TBLASTX:Cress
Start	10970	End	13664
GI	none	Score	76
Exons	10970..11059, 12372..12464, 12376..12462, 12875..12937, 13061..13087, 13088..13105, 13364..13465, 13365..13472, 13583..13663, 13584..13664		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o1.ts	Method	TBLASTX:Soybean
Start	12427	End	14040
GI	none	Score	44
Exons	12427..12462, 12537..12602, 12866..12937, 13028..13105, 13033..13104, 13228..13284, 13364..13456, 13365..13466, 13397..13468, 13583..13729, 13584..13685, 13762..13806, 13927..13989, 13969..14040		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o1.tm	Method	TBLASTX:Maize
Start	13364	End	15081
GI	none	Score	182
Exons	13364..13465, 13365..13472, 13365..13472, 13397..13489, 13583..13684, 13584..13685, 13584..13685, 13759..13806, 13762..13806, 13897..14043, 13898..14065, 15028..15081, 15030..15080		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o2.ts	Method	TBLASTX:Soybean
Start	18361	End	18580
GI	none	Score	111
Exons	18361..18462, 18362..18454, 18367..18462, 18377..18499, 18487..18579, 18536..18580		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o5.tm	Method	TBLASTX:Maize
Start	18406	End	18580
GI	none	Score	85
Exons	18406..18462, 18407..18454, 18408..18458, 18439..18579, 18472..18570, 18488..18580		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o2.tc	Method	TBLASTX:Cress
Start	18493	End	20612
GI	none	Score	116
Exons	18493..18579, 20443..20607, 20457..20612		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o2.tm	Method	TBLASTX:Maize
Start	20457	End	21334
GI	none	Score	255
Exons	20457..20714, 20458..20715, 20766..20855, 20767..20847, 20853..20879, 20854..20880, 21214..21258, 21222..21257, 21252..21320, 21296..21334		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o4.np	Method	AAT/NAP
Start	25475	End	26915
GI	5852093	Score	70
Exons	25475..25608, 26878..26915		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19672	Seq. ID	OJ990826_15.9B12.C3
Gene No.	41070	Strand	+
Start	738	End	1206
Name	OJ990826_15.9B12.C3.o1.gs	Method	GENSCAN
Start	738	End	1206
GI	none	Score	.5
Exons	738..865, 925..982, 1138..1206		

Seq. No.	19672	Seq. ID	OJ990826_15.9B12.C3
Gene No.	41071	Strand	+
Start	2203	End	4174
Name	OJ990826_15.9B12.C3.o2.gs	Method	GENSCAN
Start	2203	End	4174
GI	none	Score	.65
Exons	2203..2236, 3058..3183, 3454..3482, 3959..4174		

Seq. No.	19672	Seq. ID	OJ990826_15.9B12.C3
Gene No.	41072	Strand	-
Start	3636	End	4696
Name	OJ990826_15.9B12.C3.o1.gp	Method	AAT/GAP
Start	3636	End	4696
GI	14962_1.R1084	Score	984
Exons	3636..4034, 4553..4696		
GI Descrip.	'3861402/emb|CAA15301| 5.0e-12 (AJ235273) 50S RIBOSOMAL PROTEIN L33 (rpmG) [Rickettsia prowazekii]'		

Seq. No.	19672	Seq. ID	OJ990826_15.9B12.C3
Gene No.	41072	Strand	-
Start	3636	End	4696
Name	OJ990826_15.9B12.C3.o1.tm	Method	TBLASTX:Maize

Start	3847	End	4024
GI	none	Score	186
Exons	3847..4023, 3847..4023, 3848..4024, 3848..4024		

Seq. No.	19672	Seq. ID	OJ990826_15.9B12.C3
Gene No.	41072	Strand	-
Start	3636	End	4696
Name	OJ990826_15.9B12.C3.o1.np	Method	AAT/NAP
Start	3853	End	4023
GI	6437554	Score	212
Exons	3853..4023		
GI Descrip.	(AC011623) putative 50S ribosomal protein L33 [Arabidopsis thaliana]		

Seq. No.	19672	Seq. ID	OJ990826_15.9B12.C3
Gene No.	41072	Strand	-
Start	3636	End	4696
Name	OJ990826_15.9B12.C3.o3.gs	Method	GENSCAN
Start	4470	End	4679
GI	none	Score	.57
Exons	4470..4517, 4574..4679		

Seq. No.	19673	Seq. ID	OJ990826_15.9B12.C4
Gene No.	41073	Strand	-
Start	2759	End	3027
Name	OJ990826_15.9B12.C4.o1.np	Method	AAT/NAP
Start	2759	End	3027
GI	4388718	Score	63
Exons	2759..3027		
GI Descrip.	(AC006413) putative Ty3-gypsy-like retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19673	Seq. ID	OJ990826_15.9B12.C4
Gene No.	41074	Strand	-
Start	3068	End	3399
Name	OJ990826_15.9B12.C4.o1.gp	Method	AAT/GAP
Start	3068	End	3399
GI	2312654	Score	533
Exons	3068..3399		

Seq. No.	19674	Seq. ID	OJ990826_15.9B12.C5
Gene No.	41075	Strand	-
Start	1	End	166
Name	OJ990826_15.9B12.C5.o1.gp	Method	AAT/GAP
Start	1	End	166
GI	none	Score	307
Exons	1..166		

Seq. No.	19675	Seq. ID	OJ990826_14.9B15.C1
Gene No.	41076	Strand	-
Start	1	End	426
Name	OJ990826_14.9B15.C1.o1.np	Method	AAT/NAP
Start	1	End	426
GI	2072986	Score	214
Exons	1..38, 184..426		
GI Descrip.	(U95142) putative G-protein-coupled receptor [Arabidopsis thaliana] gi|2072988 (U95143) putative G-protein-coupled		

receptor [Arabidopsis thaliana]
gi|5733881|gb|AAD49769.1|AC007932_17 (AC007932) Identical to gb|U95143 putative G-protein-coupled receptor from Arabidopsis thaliana. ESTs gb|T04329, gb|Z33775, gb|Z25648 and gb|AA585970 come from this gene.

Seq. No.	19675	Seq. ID	OJ990826_14.9B15.C1
Gene No.	41076	Strand	-
Start	1	End	426
Name	OJ990826_14.9B15.C1.o1.tc	Method	TBLASTX:Cress
Start	218	End	393
GI	none	Score	168
Exons	218..388, 220..387, 221..391, 222..392, 223..393		

Seq. No.	19675	Seq. ID	OJ990826_14.9B15.C1
Gene No.	41076	Strand	-
Start	1	End	426
Name	OJ990826_14.9B15.C1.o1.tm	Method	TBLASTX:Maize
Start	218	End	409
GI	none	Score	248
Exons	218..391, 220..393, 220..405, 221..409		

Seq. No.	19675	Seq. ID	OJ990826_14.9B15.C1
Gene No.	41076	Strand	-
Start	1	End	426
Name	OJ990826_14.9B15.C1.o1.ts	Method	TBLASTX:Soybean
Start	253	End	413
GI	none	Score	148
Exons	253..405, 254..388, 258..413		

Seq. No.	19676	Seq. ID	OJ990826_14.9B15.C5
Gene No.	41077	Strand	+
Start	2126	End	2460
Name	OJ990826_14.9B15.C5.o2.gp	Method	AAT/GAP
Start	2126	End	2460
GI	LIB3477-003-P1-K1-E9	Score	123
Exons	2126..2198, 2433..2460		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19676	Seq. ID	OJ990826_14.9B15.C5
Gene No.	41078	Strand	-
Start	1	End	569
Name	OJ990826_14.9B15.C5.o1.gp	Method	AAT/GAP
Start	1	End	373
GI	8719_1.R1084	Score	667
Exons	1..373		
GI Descrip.	'3643605 6.0e-10 (AC005395) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	19676	Seq. ID	OJ990826_14.9B15.C5
Gene No.	41078	Strand	-
Start	1	End	569
Name	OJ990826_14.9B15.C5.o1.np	Method	AAT/NAP
Start	1	End	569
GI	6453866	Score	115

Exons	1..209, 515..569		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	19676	Seq. ID	OJ990826_14.9B15.C5
Gene No.	41078	Strand	-
Start	1	End	569
Name	OJ990826_14.9B15.C5.o1.gs	Method	GENSCAN
Start	151	End	293
GI	none	Score	.95
Exons	151..293		
Seq. No.	19677	Seq. ID	OJ990826_14.9B15.C7
Gene No.	41079	Strand	-
Start	1	End	1597
Name	OJ990826_14.9B15.C7.o1.np	Method	AAT/NAP
Start	1	End	1597
GI	5295950	Score	319
Exons	1..397, 750..934, 1574..1597		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19677	Seq. ID	OJ990826_14.9B15.C7
Gene No.	41079	Strand	-
Start	1	End	1597
Name	OJ990826_14.9B15.C7.o1.gs	Method	GENSCAN
Start	107	End	1481
GI	none	Score	.73
Exons	107..527, 544..659, 750..858, 1192..1241, 1419..1481		
Seq. No.	19678	Seq. ID	OJ990826_14.9B15.C8
Gene No.	41080	Strand	-
Start	10	End	554
Name	OJ990826_14.9B15.C8.o1.gs	Method	GENSCAN
Start	10	End	554
GI	none	Score	.83
Exons	10..293, 364..554		
Seq. No.	19679	Seq. ID	OJ990826_14.9B15.C11
Gene No.	41081	Strand	+
Start	678	End	1627
Name	OJ990826_14.9B15.C11.o1.gs	Method	GENSCAN
Start	678	End	1505
GI	none	Score	.83
Exons	678..733, 788..841, 1409..1505		
Seq. No.	19679	Seq. ID	OJ990826_14.9B15.C11
Gene No.	41081	Strand	+
Start	678	End	1627
Name	OJ990826_14.9B15.C11.o1.np	Method	AAT/NAP
Start	765	End	1627
GI	4680191	Score	56
Exons	765..834, 1132..1387, 1525..1627		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		
Seq. No.	19680	Seq. ID	OJ990826_14.9B15.C12
Gene No.	41082	Strand	+

Start	1	End	4446
Name	OJ990826_14.9B15.C12.o1.np	Method	AAT/NAP
Start	1	End	1225
GI	5295950	Score	121
Exons	1..239, 393..629, 811..889, 1191..1225		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19680	Seq. ID	OJ990826_14.9B15.C12
Gene No.	41082	Strand	+
Start	1	End	4446
Name	OJ990826_14.9B15.C12.o1.gs	Method	GENSCAN
Start	90	End	4446
GI	none	Score	.71
Exons	90..239, 2249..2403, 2744..3083, 3148..3427, 3978..4107, 4197..4446		

Seq. No.	19680	Seq. ID	OJ990826_14.9B15.C12
Gene No.	41082	Strand	+
Start	1	End	4446
Name	OJ990826_14.9B15.C12.o1.tm	Method	TBLASTX:Maize
Start	1531	End	4251
GI	none	Score	98
Exons	1531..1650, 1539..1652, 1542..1646, 1555..1650, 2017..2082, 2022..2087, 2022..2087, 2085..2147, 2086..2148, 2087..2152, 2228..2290, 2249..2290, 2291..2404, 2291..2404, 2444..2662, 2496..2582, 2570..2668, 3830..3940, 3838..3939, 3975..4037, 3977..4015, 4018..4047, 4019..4048, 4038..4106, 4051..4095, 4052..4132, 4194..4244, 4195..4251		

Seq. No.	19680	Seq. ID	OJ990826_14.9B15.C12
Gene No.	41082	Strand	+
Start	1	End	4446
Name	OJ990826_14.9B15.C12.o1.tw	Method	TBLASTX:Wheat
Start	1545	End	2403
GI	none	Score	71
Exons	1545..1643, 1545..1652, 1549..1650, 2022..2087, 2022..2087, 2086..2148, 2087..2152, 2228..2290, 2247..2291, 2248..2292, 2260..2403, 2291..2398, 2292..2399		

Seq. No.	19680	Seq. ID	OJ990826_14.9B15.C12
Gene No.	41082	Strand	+
Start	1	End	4446
Name	OJ990826_14.9B15.C12.o2.np	Method	AAT/NAP
Start	1555	End	4039
GI	283008	Score	655
Exons	1555..1649, 2024..2152, 2249..2403, 2485..2699, 3055..3454, 3831..4039		
GI Descrip.	sucrose synthase (EC 2.4.1.13) - rice gi|20366|emb|CAA46017| (X64770) sucrose synthase [Oryza sativa]		

Seq. No.	19680	Seq. ID	OJ990826_14.9B15.C12
Gene No.	41082	Strand	+
Start	1	End	4446
Name	OJ990826_14.9B15.C12.o1.ts	Method	TBLASTX:Soybean
Start	2016	End	4251
GI	none	Score	78

Exons	2016..2138, 2021..2083, 2195..2269, 2248..2283, 2249..2290, 2267..2401, 2291..2401, 2490..2537, 2495..2536, 2534..2569, 2570..2668, 2575..2652, 3830..3898, 3905..3940, 3975..4040, 3998..4048, 4024..4047, 4051..4107, 4052..4102, 4195..4251, 4196..4243		
Seq. No.	19680	Seq. ID	OJ990826_14.9B15.C12
Gene No.	41082	Strand	+
Start	1	End	4446
Name	OJ990826_14.9B15.C12.o1.tc	Method	TBLASTX:Cress
Start	2225	End	2689
GI	none	Score	65
Exons	2225..2290, 2260..2400, 2291..2401, 2498..2569, 2499..2570, 2570..2689, 2575..2667		
Seq. No.	19681	Seq. ID	OJ990826_14.9B15.C13
Gene No.	41083	Strand	-
Start	1845	End	2150
Name	OJ990826_14.9B15.C13.o1.gs	Method	GENSCAN
Start	1845	End	2150
GI	none	Score	.84
Exons	1845..2150		
Seq. No.	19682	Seq. ID	OJ990826_14.9B15.C14
Gene No.	41084	Strand	-
Start	1	End	2508
Name	OJ990826_14.9B15.C14.o1.gp	Method	AAT/GAP
Start	1	End	390
GI	none	Score	706
Exons	1..390		
Seq. No.	19682	Seq. ID	OJ990826_14.9B15.C14
Gene No.	41084	Strand	-
Start	1	End	2508
Name	OJ990826_14.9B15.C14.o1.gs	Method	GENSCAN
Start	42	End	2508
GI	none	Score	.76
Exons	42..251, 1596..1788, 2326..2508		
Seq. No.	19683	Seq. ID	OJ990826_14.9B15.C15
Gene No.	41085	Strand	+
Start	501	End	547
Name	OJ990826_14.9B15.C15.o1.gs	Method	GENSCAN
Start	501	End	547
GI	none	Score	.61
Exons	501..547		
Seq. No.	19683	Seq. ID	OJ990826_14.9B15.C15
Gene No.	41086	Strand	-
Start	1861	End	2038
Name	OJ990826_14.9B15.C15.o2.gs	Method	GENSCAN
Start	1861	End	2038
GI	none	Score	.45
Exons	1861..2038		
Seq. No.	19684	Seq. ID	OJ990826_14.9B15.C16
Gene No.	41087	Strand	+

Start	2047	End	2232
Name	OJ990826_14.9B15.C16.o1.gp	Method	AAT/GAP
Start	2047	End	2232
GI	3106638	Score	331
Exons	2047..2232		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 4.0e-18 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	19684	Seq. ID	OJ990826_14.9B15.C16
Gene No.	41088	Strand	-
Start	1433	End	2843
Name	OJ990826_14.9B15.C16.o1.gs	Method	GENSCAN
Start	1433	End	2843
GI	none	Score	.84
Exons	1433..1729, 2450..2582, 2779..2843		

Seq. No.	19685	Seq. ID	OJ990826_14.9B15.C17
Gene No.	41089	Strand	+
Start	1544	End	2736
Name	OJ990826_14.9B15.C17.o1.gs	Method	GENSCAN
Start	1544	End	2736
GI	none	Score	.7
Exons	1544..1710, 1894..1932, 2012..2258, 2484..2736		

Seq. No.	19685	Seq. ID	OJ990826_14.9B15.C17
Gene No.	41090	Strand	-
Start	5893	End	6501
Name	OJ990826_14.9B15.C17.o2.gs	Method	GENSCAN
Start	5893	End	6501
GI	none	Score	.77
Exons	5893..6501		

Seq. No.	19686	Seq. ID	OJ990826_14.9B15.C18
Gene No.	41091	Strand	+
Start	430	End	747
Name	OJ990826_14.9B15.C18.o1.gs	Method	GENSCAN
Start	430	End	747
GI	none	Score	.57
Exons	430..747		

Seq. No.	19687	Seq. ID	OJ990826_14.9B15.C19
Gene No.	41092	Strand	+
Start	906	End	3729
Name	OJ990826_14.9B15.C19.o1.gs	Method	GENSCAN
Start	906	End	3729
GI	none	Score	.42
Exons	906..1075, 2510..2703, 2933..3010, 3385..3520, 3547..3729		

Seq. No.	19687	Seq. ID	OJ990826_14.9B15.C19
Gene No.	41093	Strand	-
Start	5172	End	6174
Name	OJ990826_14.9B15.C19.o2.gs	Method	GENSCAN
Start	5172	End	6174
GI	none	Score	.86
Exons	5172..5377, 6087..6174		

Seq. No.	19688	Seq. ID	OJ990826_14.9B15.C21

Gene No.	41094	Strand	+
Start	2291	End	4092
Name	OJ990826_14.9B15.C21.o1.gs	Method	GENSCAN
Start	2291	End	4092
GI	none	Score	.47
Exons	2291..2339, 2473..2581, 2607..3095, 3498..4092		

Seq. No.	19689	Seq. ID	OJ990826_14.9B15.C22
Gene No.	41095	Strand	+
Start	4615	End	4901
Name	OJ990826_14.9B15.C22.o4.gs	Method	GENSCAN
Start	4615	End	4901
GI	none	Score	.55
Exons	4615..4766, 4787..4901		

Seq. No.	19689	Seq. ID	OJ990826_14.9B15.C22
Gene No.	41096	Strand	+
Start	5834	End	5878
Name	OJ990826_14.9B15.C22.o5.gs	Method	GENSCAN
Start	5834	End	5878
GI	none	Score	.5
Exons	5834..5878		

Seq. No.	19689	Seq. ID	OJ990826_14.9B15.C22
Gene No.	41097	Strand	-
Start	18	End	161
Name	OJ990826_14.9B15.C22.o1.gs	Method	GENSCAN
Start	18	End	161
GI	none	Score	.95
Exons	18..161		

Seq. No.	19689	Seq. ID	OJ990826_14.9B15.C22
Gene No.	41098	Strand	-
Start	424	End	738
Name	OJ990826_14.9B15.C22.o2.gs	Method	GENSCAN
Start	424	End	738
GI	none	Score	.93
Exons	424..738		

Seq. No.	19689	Seq. ID	OJ990826_14.9B15.C22
Gene No.	41099	Strand	-
Start	1334	End	2945
Name	OJ990826_14.9B15.C22.o3.gs	Method	GENSCAN
Start	1334	End	2945
GI	none	Score	.57
Exons	1334..1341, 1363..1680, 1903..1941, 2508..2619, 2733..2945		

Seq. No.	19689	Seq. ID	OJ990826_14.9B15.C22
Gene No.	41100	Strand	-
Start	4427	End	4901
Name	OJ990826_14.9B15.C22.o1.np	Method	AAT/NAP
Start	4427	End	4901
GI	6539570	Score	196
Exons	4427..4493, 4707..4901		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	19689	Seq. ID	OJ990826_14.9B15.C22

Gene No.	41101	Strand	-
Start	5037	End	5388
Name	OJ990826_14.9B15.C22.o2.np	Method	AAT/NAP
Start	5037	End	5388
GI	6630699	Score	90
Exons	5037..5388		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	19690	Seq. ID	OJ990826_14.9B15.C23
Gene No.	41102	Strand	+
Start	1	End	917
Name	OJ990826_14.9B15.C23.o1.np	Method	AAT/NAP
Start	1	End	917
GI	5922620	Score	77
Exons	1..99, 789..917		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19691	Seq. ID	OJ990826_14.9B15.C24
Gene No.	41103	Strand	+
Start	1671	End	3428
Name	OJ990826_14.9B15.C24.o1.gs	Method	GENSCAN
Start	1671	End	3428
GI	none	Score	.61
Exons	1671..1729, 1760..1824, 3313..3428		

Seq. No.	19691	Seq. ID	OJ990826_14.9B15.C24
Gene No.	41104	Strand	+
Start	6511	End	11945
Name	OJ990826_14.9B15.C24.o3.gs	Method	GENSCAN
Start	6511	End	11945
GI	none	Score	.4
Exons	6511..6630, 6761..7098, 8829..8862, 8888..9286, 9804..10014, 10172..10918, 11863..11945		

Seq. No.	19691	Seq. ID	OJ990826_14.9B15.C24
Gene No.	41105	Strand	-
Start	3947	End	4675
Name	OJ990826_14.9B15.C24.o2.gs	Method	GENSCAN
Start	3947	End	4675
GI	none	Score	.98
Exons	3947..4675		

Seq. No.	19691	Seq. ID	OJ990826_14.9B15.C24
Gene No.	41106	Strand	-
Start	12467	End	12838
Name	OJ990826_14.9B15.C24.o4.gs	Method	GENSCAN
Start	12467	End	12838
GI	none	Score	.76
Exons	12467..12838		

Seq. No.	19692	Seq. ID	OJ990826_14.9B15.C25

Gene No.	41107	Strand	-
Start	9926	End	10276
Name	OJ990826_14.9B15.C25.o2.gs	Method	GENSCAN
Start	9926	End	10276
GI	none	Score	.67
Exons	9926..10276		

Seq. No.	19692	Seq. ID	OJ990826_14.9B15.C25
Gene No.	41108	Strand	-
Start	13031	End	13921
Name	OJ990826_14.9B15.C25.o3.gs	Method	GENSCAN
Start	13031	End	13921
GI	none	Score	.85
Exons	13031..13353, 13527..13680, 13856..13921		

Seq. No.	19693	Seq. ID	OJ990826_14.9B15.C26
Gene No.	41109	Strand	+
Start	83	End	134
Name	OJ990826_14.9B15.C26.o1.gs	Method	GENSCAN
Start	83	End	134
GI	none	Score	.65
Exons	83..134		

Seq. No.	19693	Seq. ID	OJ990826_14.9B15.C26
Gene No.	41110	Strand	+
Start	6788	End	7153
Name	OJ990826_14.9B15.C26.o1.gp	Method	AAT/GAP
Start	6788	End	7153
GI	426598	Score	667
Exons	6788..7153		

Seq. No.	19694	Seq. ID	OJ990826_14.9B15.C28
Gene No.	41111	Strand	-
Start	1173	End	1331
Name	OJ990826_14.9B15.C28.o1.gs	Method	GENSCAN
Start	1173	End	1331
GI	none	Score	.71
Exons	1173..1331		

Seq. No.	19694	Seq. ID	OJ990826_14.9B15.C28
Gene No.	41112	Strand	-
Start	1808	End	3836
Name	OJ990826_14.9B15.C28.o2.gs	Method	GENSCAN
Start	1808	End	3836
GI	none	Score	.54
Exons	1808..2028, 2485..2638, 2644..2826, 3298..3341, 3691..3836		

Seq. No.	19695	Seq. ID	OJ990826_14.9B15.C29
Gene No.	41113	Strand	+
Start	137	End	916
Name	OJ990826_14.9B15.C29.o1.gs	Method	GENSCAN
Start	137	End	916
GI	none	Score	.85
Exons	137..256, 392..916		

Seq. No.	19695	Seq. ID	OJ990826_14.9B15.C29
Gene No.	41114	Strand	-

Start	1173	End	6920
Name	OJ990826_14.9B15.C29.o2.gs	Method	GENSCAN
Start	1173	End	3602
GI	none	Score	.55
Exons	1173..1208, 2684..2795, 2914..3004, 3359..3602		

Seq. No.	19695	Seq. ID	OJ990826_14.9B15.C29
Gene No.	41114	Strand	-
Start	1173	End	6920
Name	OJ990826_14.9B15.C29.o1.np	Method	AAT/NAP
Start	3116	End	6920
GI	6721547	Score	89
Exons	3116..3157, 6825..6920		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	19695	Seq. ID	OJ990826_14.9B15.C29
Gene No.	41114	Strand	-
Start	1173	End	6920
Name	OJ990826_14.9B15.C29.o1.gp	Method	AAT/GAP
Start	3523	End	3727
GI	2799423	Score	350
Exons	3523..3727		

Seq. No.	19696	Seq. ID	OJ990826_14.9B15.C30
Gene No.	41115	Strand	+
Start	952	End	1008
Name	OJ990826_14.9B15.C30.o1.gs	Method	GENSCAN
Start	952	End	1008
GI	none	Score	.69
Exons	952..1008		

Seq. No.	19697	Seq. ID	OJ990826_14.9B15.C31
Gene No.	41116	Strand	+
Start	788	End	1471
Name	OJ990826_14.9B15.C31.o1.gs	Method	GENSCAN
Start	788	End	1471
GI	none	Score	.91
Exons	788..875, 1440..1471		

Seq. No.	19697	Seq. ID	OJ990826_14.9B15.C31
Gene No.	41117	Strand	-
Start	1943	End	2155
Name	OJ990826_14.9B15.C31.o2.gs	Method	GENSCAN
Start	1943	End	2155
GI	none	Score	1
Exons	1943..2155		

Seq. No.	19698	Seq. ID	OJ990826_14.9B15.C32
Gene No.	41118	Strand	+
Start	1	End	9302
Name	OJ990826_14.9B15.C32.o1.np	Method	AAT/NAP
Start	1	End	9302
GI	5123787	Score	209
Exons	1..378, 4437..4679, 4760..4824, 5026..5203, 9243..9302		
GI Descrip.	(AJ007041) trithorax homologue 2 [Homo sapiens]		

Seq. No.	19698	Seq. ID	OJ990826_14.9B15.C32

Gene No.	41118	Strand	+
Start	1	End	9302
Name	OJ990826_14.9B15.C32.o2.gs	Method	GENSCAN
Start	4646	End	8143
GI	none	Score	.78
Exons	4646..4841, 4958..5067, 5097..5249, 5375..5519, 7081..7182, 8106..8143		

Seq. No.	19698	Seq. ID	OJ990826_14.9B15.C32
Gene No.	41119	Strand	-
Start	7158	End	9302
Name	OJ990826_14.9B15.C32.o1.tm	Method	TBLASTX:Maize
Start	7002	End	9301
GI	none	Score	88
Exons	7002..7046, 7161..7265, 7167..7253, 7169..7258, 7377..7418, 7418..7444, 7897..8043, 7899..8045, 7900..8043, 8366..8428, 8367..8429, 8367..8429, 8371..8433, 8530..8652, 8552..8626, 8557..8652, 9204..9263, 9220..9264, 9263..9301, 9265..9300		

Seq. No.	19698	Seq. ID	OJ990826_14.9B15.C32
Gene No.	41119	Strand	-
Start	7158	End	9302
Name	OJ990826_14.9B15.C32.o2.np	Method	AAT/NAP
Start	7158	End	9302
GI	2104224	Score	432
Exons	7158..7279, 7373..7444, 7899..8042, 8371..8427, 8548..8645, 9227..9302		
GI Descrip.	(Y11278) putative G protein coupled receptor [Arabidopsis thaliana]		

Seq. No.	19698	Seq. ID	OJ990826_14.9B15.C32
Gene No.	41119	Strand	-
Start	7158	End	9302
Name	OJ990826_14.9B15.C32.o1.ts	Method	TBLASTX:Soybean
Start	7377	End	8652
GI	none	Score	89
Exons	7377..7418, 7418..7444, 7897..8043, 7899..8039, 7899..8048, 7900..8043, 8530..8652, 8552..8623, 8557..8652		

Seq. No.	19698	Seq. ID	OJ990826_14.9B15.C32
Gene No.	41119	Strand	-
Start	7158	End	9302
Name	OJ990826_14.9B15.C32.o1.tw	Method	TBLASTX:Wheat
Start	7891	End	9264
GI	none	Score	192
Exons	7891..8043, 7899..8045, 7900..8043, 8366..8428, 8367..8435, 8530..8652, 8542..8652, 9204..9263, 9232..9264		

Seq. No.	19698	Seq. ID	OJ990826_14.9B15.C32
Gene No.	41119	Strand	-
Start	7158	End	9302
Name	OJ990826_14.9B15.C32.o1.tc	Method	TBLASTX:Cress
Start	7899	End	8652
GI	none	Score	124
Exons	7899..8048, 7900..8040, 7914..8045, 8368..8427, 8530..8652		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33

Gene No.	41120	Strand	+
Start	3220	End	3585
Name	OJ990826_14.9B15.C33.o2.gs	Method	GENSCAN
Start	3220	End	3585
GI	none	Score	.54
Exons	3220..3585		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41121	Strand	+
Start	4411	End	5951
Name	OJ990826_14.9B15.C33.o1.gp	Method	AAT/GAP
Start	4411	End	5537
GI	71907_1.R1084	Score	885
Exons	4411..4515, 5165..5537		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41121	Strand	+
Start	4411	End	5951
Name	OJ990826_14.9B15.C33.o2.np	Method	AAT/NAP
Start	5194	End	5951
GI	5802225	Score	729
Exons	5194..5532, 5661..5951		
GI Descrip.	(AF166262) HAL3A protein [Arabidopsis thaliana]		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41122	Strand	-
Start	1	End	469
Name	OJ990826_14.9B15.C33.o1.np	Method	AAT/NAP
Start	1	End	463
GI	2104224	Score	139
Exons	1..34, 281..463		
GI Descrip.	(Y11278) putative G protein coupled receptor [Arabidopsis thaliana]		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41122	Strand	-
Start	1	End	469
Name	OJ990826_14.9B15.C33.o1.gs	Method	GENSCAN
Start	281	End	469
GI	none	Score	1
Exons	281..469		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41123	Strand	-
Start	4389	End	6542
Name	OJ990826_14.9B15.C33.o3.gs	Method	GENSCAN
Start	4389	End	6542
GI	none	Score	.76
Exons	4389..4784, 6428..6542		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41123	Strand	-
Start	4389	End	6542
Name	OJ990826_14.9B15.C33.o1.tm	Method	TBLASTX:Maize
Start	5185	End	5777

GI	none	Score	389
Exons	5185..5535, 5244..5534, 5649..5777, 5663..5776		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41123	Strand	-
Start	4389	End	6542
Name	OJ990826_14.9B15.C33.o1.tw	Method	TBLASTX:Wheat
Start	5193	End	5740
GI	none	Score	464
Exons	5193..5234, 5244..5531, 5245..5535, 5303..5551, 5649..5738, 5652..5717, 5660..5740		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41123	Strand	-
Start	4389	End	6542
Name	OJ990826_14.9B15.C33.o1.ts	Method	TBLASTX:Soybean
Start	5244	End	5825
GI	none	Score	424
Exons	5244..5531, 5245..5535, 5653..5775, 5653..5766, 5658..5825, 5660..5824		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41123	Strand	-
Start	4389	End	6542
Name	OJ990826_14.9B15.C33.o1.tc	Method	TBLASTX:Cress
Start	5367	End	5924
GI	none	Score	238
Exons	5367..5531, 5368..5535, 5645..5914, 5658..5924, 5658..5924		

Seq. No.	19699	Seq. ID	OJ990826_14.9B15.C33
Gene No.	41123	Strand	-
Start	4389	End	6542
Name	OJ990826_14.9B15.C33.o2.gp	Method	AAT/GAP
Start	5728	End	6229
GI	uC-osflcyp071a09a1	Score	1000
Exons	5728..6229		
GI Descrip.	'5802225/gb|AAD51616.1|AF166262_1 1.0e-21 (AF166262) HAL3A protein [Arabidopsis thaliana]'		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41124	Strand	+
Start	5097	End	5373
Name	OJ990826_10.9B18.C1.o2.gp	Method	AAT/GAP
Start	5097	End	5373
GI	428703	Score	542
Exons	5097..5373		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41125	Strand	+
Start	5344	End	6310
Name	OJ990826_10.9B18.C1.o1.np	Method	AAT/NAP
Start	5344	End	6310
GI	5903071	Score	828
Exons	5344..6310		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1

Gene No.	41126	Strand	-
Start	940	End	995
Name	OJ990826_10.9B18.C1.o1.gp	Method	AAT/GAP
Start	940	End	995
GI	699868	Score	87
Exons	940..995		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41127	Strand	-
Start	15994	End	16998
Name	OJ990826_10.9B18.C1.o3.gs	Method	GENSCAN
Start	15994	End	16998
GI	none	Score	.47
Exons	15994..16998		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41128	Strand	-
Start	19754	End	20188
Name	OJ990826_10.9B18.C1.o1.tm	Method	TBLASTX:Maize
Start	5374	End	5670
GI	none	Score	211
Exons	5374..5514, 5374..5436, 5391..5513, 5557..5670, 5569..5670		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41128	Strand	-
Start	19754	End	20188
Name	OJ990826_10.9B18.C1.o1.ts	Method	TBLASTX:Soybean
Start	5397	End	6122
GI	none	Score	136
Exons	5397..5513, 5398..5514, 5557..5664, 5557..5649, 5763..5993, 5769..5903, 5834..5992, 6078..6122		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41128	Strand	-
Start	19754	End	20188
Name	OJ990826_10.9B18.C1.o2.tc	Method	TBLASTX:Cress
Start	5397	End	5918
GI	none	Score	128
Exons	5397..5501, 5398..5514, 5557..5664, 5808..5918		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41128	Strand	-
Start	19754	End	20188
Name	OJ990826_10.9B18.C1.o3.tm	Method	TBLASTX:Maize
Start	5673	End	5978
GI	none	Score	98
Exons	5673..5825, 5771..5824, 5849..5974, 5850..5978		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41128	Strand	-
Start	19754	End	20188
Name	OJ990826_10.9B18.C1.o2.tm	Method	TBLASTX:Maize
Start	5982	End	6310
GI	none	Score	97
Exons	5982..6140, 5984..6121, 6138..6296, 6185..6292, 6209..6310		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1

Gene No.	41128	Strand	-
Start	19754	End	20188
Name	OJ990826_10.9B18.C1.o1.tc	Method	TBLASTX:Cress
Start	6075	End	6287
GI	none	Score	86
Exons	6075..6140, 6132..6287, 6179..6283		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41128	Strand	-
Start	19754	End	20188
Name	OJ990826_10.9B18.C1.o2.ts	Method	TBLASTX:Soybean
Start	6132	End	6287
GI	none	Score	196
Exons	6132..6287, 6185..6277		

Seq. No.	19700	Seq. ID	OJ990826_10.9B18.C1
Gene No.	41128	Strand	-
Start	19754	End	20188
Name	OJ990826_10.9B18.C1.o5.gs	Method	GENSCAN
Start	19754	End	20188
GI	none	Score	.59
Exons	19754..20188		

Seq. No.	19701	Seq. ID	OJ990826_10.9B18.C2
Gene No.	41129	Strand	-
Start	60	End	3833
Name	OJ990826_10.9B18.C2.o1.gs	Method	GENSCAN
Start	60	End	3833
GI	none	Score	.54
Exons	60..235, 1998..2083, 3634..3833		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o1.tc	Method	TBLASTX:Cress
Start	4907	End	6879
GI	none	Score	1813
Exons	4907..5098, 4942..5388, 4949..6193, 5126..6193, 5467..6210, 5545..6195, 6442..6801, 6443..6625, 6444..6836, 6445..6879		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o1.tm	Method	TBLASTX:Maize
Start	4932	End	6899
GI	none	Score	354
Exons	4932..5372, 4946..6058, 4949..6058, 5467..6072, 6037..6195, 6056..6193, 6057..6197, 6060..6197, 6442..6801, 6443..6628, 6444..6839, 6445..6882, 6606..6899		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o1.np	Method	AAT/NAP
Start	4949	End	6885
GI	2129579	Score	2441
Exons	4949..6190, 6445..6885		

GI Descrip. Dwarf1 protein - Arabidopsis thaliana gi|516043 (U12400) Dwarf1 [Arabidopsis thaliana]

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o2.gs	Method	GENSCAN
Start	4949	End	12318
GI	none	Score	.59
Exons	4949..6190, 6445..6834, 9273..9686, 10612..10863, 11651..11782, 12202..12318		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o1.ts	Method	TBLASTX:Soybean
Start	4964	End	6879
GI	none	Score	1057
Exons	4964..5740, 4964..5740, 5732..6193, 5736..6191, 5743..6210, 5747..6193, 6442..6801, 6444..6839, 6445..6879, 6482..6844		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o1.tw	Method	TBLASTX:Wheat
Start	5283	End	5806
GI	none	Score	736
Exons	5283..5363, 5284..5388, 5285..5806, 5288..5803, 5467..5805		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o1.gp	Method	AAT/GAP
Start	5562	End	7192
GI	352_2.R1084	Score	2689
Exons	5562..6190, 6445..7192		

GI Descrip. '2129579/pir||S71189 1.0e-174 Dwarf1 protein - Arabidopsis thaliana >gi_516043 (U12400) Dwarf1 [Arabidopsis thaliana]'

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o2.tw	Method	TBLASTX:Wheat
Start	5918	End	6207
GI	none	Score	469
Exons	5918..6190, 5922..6194, 5923..6195, 5923..6207		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o3.tw	Method	TBLASTX:Wheat
Start	6621	End	6895
GI	none	Score	226
Exons	6621..6875, 6622..6888, 6624..6839, 6647..6895		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+

Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o2.ts	Method	TBLASTX:Soybean
Start	10605	End	11797
GI	none	Score	211
Exons	10605..10688, 10606..10857, 10764..10850, 11643..11789, 11644..11790, 11648..11788, 11648..11797		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o2.tm	Method	TBLASTX:Maize
Start	10611	End	12330
GI	none	Score	395
Exons	10611..10853, 10612..10863, 11648..11788, 11650..11781, 12194..12241, 12199..12318, 12199..12330		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o2.np	Method	AAT/NAP
Start	10612	End	13126
GI	5738378	Score	421
Exons	10612..10863, 11651..11782, 12202..12318, 13100..13126		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		

Seq. No.	19702	Seq. ID	OJ990826_10.9B18.C3
Gene No.	41130	Strand	+
Start	4949	End	13126
Name	OJ990826_10.9B18.C3.o2.gp	Method	AAT/GAP
Start	10828	End	12318
GI	4780_1.R1084	Score	475
Exons	10828..10863, 11651..11782, 12202..12318		
GI Descrip.	'5738378/emb|CAB52821.1| 1.0e-73 (AL080253) putative protein [Arabidopsis thaliana]'		

Seq. No.	19703	Seq. ID	OJ990826_10.9B18.C4
Gene No.	41131	Strand	+
Start	316	End	428
Name	OJ990826_10.9B18.C4.o1.gs	Method	GENSCAN
Start	316	End	428
GI	none	Score	.73
Exons	316..428		

Seq. No.	19703	Seq. ID	OJ990826_10.9B18.C4
Gene No.	41132	Strand	-
Start	971	End	1528
Name	OJ990826_10.9B18.C4.o2.gs	Method	GENSCAN
Start	971	End	1528
GI	none	Score	.83
Exons	971..1009, 1478..1528		

Seq. No.	19704	Seq. ID	OJ990826_10.9B18.C5
Gene No.	41133	Strand	-
Start	92	End	488
Name	OJ990826_10.9B18.C5.o1.gs	Method	GENSCAN
Start	92	End	488
GI	none	Score	.8

Exons	92..488		
Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41134	Strand	+
Start	595	End	716
Name	OJ990826_10.9B18.C6.o1.gs	Method	GENSCAN
Start	595	End	716
GI	none	Score	.94
Exons	595..716		
Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41135	Strand	+
Start	3652	End	4835
Name	OJ990826_10.9B18.C6.o3.gs	Method	GENSCAN
Start	3652	End	4835
GI	none	Score	.92
Exons	3652..3663, 3873..4835		
Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41136	Strand	+
Start	5085	End	9647
Name	OJ990826_10.9B18.C6.o1.np	Method	AAT/NAP
Start	5085	End	9647
GI	4680179	Score	7728
Exons	5085..9647		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41137	Strand	+
Start	15899	End	20025
Name	OJ990826_10.9B18.C6.o7.gs	Method	GENSCAN
Start	15899	End	19453
GI	none	Score	.4
Exons	15899..15928, 16061..16136, 16755..16820, 19059..19199, 19395..19453		
Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41137	Strand	+
Start	15899	End	20025
Name	OJ990826_10.9B18.C6.o4.np	Method	AAT/NAP
Start	17963	End	20025
GI	6721561	Score	75
Exons	17963..18049, 20001..20025		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41138	Strand	-
Start	1363	End	2040
Name	OJ990826_10.9B18.C6.o2.gs	Method	GENSCAN
Start	1363	End	2040
GI	none	Score	.91
Exons	1363..2040		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41139	Strand	-
Start	13202	End	13310
Name	OJ990826_10.9B18.C6.o1.gp	Method	AAT/GAP
Start	13202	End	13310
GI	uC-osflcyp088b12b1	Score	160
Exons	13202..13310		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41140	Strand	-
Start	14668	End	15406
Name	OJ990826_10.9B18.C6.o6.gs	Method	GENSCAN
Start	14668	End	15406
GI	none	Score	.51
Exons	14668..14700, 15272..15406		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o7.tw	Method	TBLASTX:Wheat
Start	5348	End	5711
GI	none	Score	303
Exons	5348..5452, 5352..5711, 5477..5710		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o6.tm	Method	TBLASTX:Maize
Start	5591	End	5924
GI	none	Score	216
Exons	5591..5779, 5592..5924, 5592..5876		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o8.tm	Method	TBLASTX:Maize
Start	6228	End	6548
GI	none	Score	186
Exons	6228..6548, 6281..6373		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o8.tw	Method	TBLASTX:Wheat
Start	6231	End	6647
GI	none	Score	142
Exons	6231..6425, 6281..6379, 6465..6647, 6491..6646		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o4.tw	Method	TBLASTX:Wheat
Start	6810	End	7292
GI	none	Score	550
Exons	6810..7292, 6914..7249, 6921..7283		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o5.tm	Method	TBLASTX:Maize
Start	6822	End	7111
GI	none	Score	322
Exons	6822..7109, 6920..7111		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o3.tm	Method	TBLASTX:Maize
Start	7179	End	7679
GI	none	Score	161
Exons	7179..7358, 7344..7679, 7430..7561, 7586..7636		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o1.ts	Method	TBLASTX:Soybean
Start	7233	End	7628
GI	none	Score	57
Exons	7233..7265, 7233..7277, 7269..7628, 7373..7627		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o5.tw	Method	TBLASTX:Wheat
Start	7341	End	7643
GI	none	Score	399
Exons	7341..7643, 7373..7642		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o2.tw	Method	TBLASTX:Wheat
Start	7644	End	8153
GI	none	Score	629
Exons	7644..8153, 7676..8062, 7722..8069		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o3.ts	Method	TBLASTX:Soybean
Start	7650	End	7895
GI	none	Score	202
Exons	7650..7895		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o2.tm	Method	TBLASTX:Maize
Start	7716	End	8074
GI	none	Score	485
Exons	7716..8069, 7718..8062, 7877..8074		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o3.tw	Method	TBLASTX:Wheat
Start	8157	End	8636
GI	none	Score	582
Exons	8157..8636, 8202..8603, 8381..8635		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o2.ts	Method	TBLASTX:Soybean
Start	8424	End	8684
GI	none	Score	295
Exons	8424..8684, 8429..8683		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o4.tm	Method	TBLASTX:Maize
Start	8483	End	8774
GI	none	Score	384
Exons	8483..8770, 8484..8774		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o1.tw	Method	TBLASTX:Wheat
Start	8643	End	9269
GI	none	Score	730
Exons	8643..9269, 8645..9268		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o1.tm	Method	TBLASTX:Maize
Start	8823	End	9410
GI	none	Score	223
Exons	8823..8984, 8831..8977, 8982..9410, 8984..9409		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o6.tw	Method	TBLASTX:Wheat
Start	9270	End	9637
GI	none	Score	350
Exons	9270..9602, 9297..9377, 9362..9478, 9584..9637		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o7.tm	Method	TBLASTX:Maize
Start	9411	End	9623
GI	none	Score	189
Exons	9411..9623		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6

Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o3.np	Method	AAT/NAP
Start	17841	End	21891
GI	4680183	Score	191
Exons	17841..17930, 18540..18609, 21854..21891		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19705	Seq. ID	OJ990826_10.9B18.C6
Gene No.	41141	Strand	-
Start	17841	End	21891
Name	OJ990826_10.9B18.C6.o8.gs	Method	GENSCAN
Start	20859	End	21260
GI	none	Score	.83
Exons	20859..20875, 21227..21260		

Seq. No.	19706	Seq. ID	OJ990826_10.9B18.C7
Gene No.	41142	Strand	+
Start	1599	End	3027
Name	OJ990826_10.9B18.C7.o1.gs	Method	GENSCAN
Start	1599	End	3027
GI	none	Score	.62
Exons	1599..1684, 2191..2348, 2858..3027		

Seq. No.	19706	Seq. ID	OJ990826_10.9B18.C7
Gene No.	41143	Strand	-
Start	4379	End	9841
Name	OJ990826_10.9B18.C7.o2.gs	Method	GENSCAN
Start	4379	End	9841
GI	none	Score	.61
Exons	4379..4774, 6102..6390, 6473..6561, 6754..7233, 7345..7614, 7701..8147, 8226..8848, 9456..9841		

Seq. No.	19706	Seq. ID	OJ990826_10.9B18.C7
Gene No.	41143	Strand	-
Start	4379	End	9841
Name	OJ990826_10.9B18.C7.o1.np	Method	AAT/NAP
Start	4390	End	9833
GI	81286	Score	297
Exons	4390..4563, 9419..9833		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	19706	Seq. ID	OJ990826_10.9B18.C7
Gene No.	41143	Strand	-
Start	4379	End	9841
Name	OJ990826_10.9B18.C7.o1.tm	Method	TBLASTX:Maize
Start	4391	End	4637
GI	none	Score	154
Exons	4391..4522, 4392..4538, 4527..4637, 4535..4636		

Seq. No.	19707	Seq. ID	OJ990826_10.9B18.C8
Gene No.	41144	Strand	-
Start	456	End	1646
Name	OJ990826_10.9B18.C8.o1.gs	Method	GENSCAN
Start	456	End	1427
GI	none	Score	.74

Exons	456..977, 1008..1427		
Seq. No.	19707	Seq. ID	OJ990826_10.9B18.C8
Gene No.	41144	Strand	-
Start	456	End	1646
Name	OJ990826_10.9B18.C8.o1.tw	Method	TBLASTX:Wheat
Start	510	End	1644
GI	none	Score	71
Exons	510..629, 630..734, 631..735, 753..806, 806..850, 807..857, 873..1013, 874..999, 1011..1211, 1021..1164, 1216..1644, 1218..1643		
Seq. No.	19707	Seq. ID	OJ990826_10.9B18.C8
Gene No.	41144	Strand	-
Start	456	End	1646
Name	OJ990826_10.9B18.C8.o1.ts	Method	TBLASTX:Soybean
Start	573	End	821
GI	none	Score	104
Exons	573..821, 637..819		
Seq. No.	19707	Seq. ID	OJ990826_10.9B18.C8
Gene No.	41144	Strand	-
Start	456	End	1646
Name	OJ990826_10.9B18.C8.o1.np	Method	AAT/NAP
Start	928	End	1646
GI	6742729	Score	609
Exons	928..1646		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	19707	Seq. ID	OJ990826_10.9B18.C8
Gene No.	41144	Strand	-
Start	456	End	1646
Name	OJ990826_10.9B18.C8.o1.tc	Method	TBLASTX:Cress
Start	1047	End	1470
GI	none	Score	48
Exons	1047..1211, 1051..1164, 1216..1470, 1218..1469		
Seq. No.	19707	Seq. ID	OJ990826_10.9B18.C8
Gene No.	41144	Strand	-
Start	456	End	1646
Name	OJ990826_10.9B18.C8.o1.tm	Method	TBLASTX:Maize
Start	1404	End	1643
GI	none	Score	142
Exons	1404..1643, 1423..1632		
Seq. No.	19708	Seq. ID	OJ990826_10.9B18.C9
Gene No.	41145	Strand	+
Start	1	End	99
Name	OJ990826_10.9B18.C9.o1.gp	Method	AAT/GAP
Start	1	End	99
GI	699868	Score	166
Exons	1..99		
Seq. No.	19709	Seq. ID	OJ990826_10.9B18.C11
Gene No.	41146	Strand	+
Start	1	End	1330
Name	OJ990826_10.9B18.C11.o1.np	Method	AAT/NAP

Start	1	End	1330
GI	4680203	Score	1105
Exons	1..1330		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19709	Seq. ID	OJ990826_10.9B18.C11
Gene No.	41146	Strand	+
Start	1	End	1330
Name	OJ990826_10.9B18.C11.o2.tw	Method	TBLASTX:Wheat
Start	21	End	515
GI	none	Score	239
Exons	21..380, 53..379, 393..515, 416..499		

Seq. No.	19709	Seq. ID	OJ990826_10.9B18.C11
Gene No.	41146	Strand	+
Start	1	End	1330
Name	OJ990826_10.9B18.C11.o1.ts	Method	TBLASTX:Soybean
Start	36	End	373
GI	none	Score	47
Exons	36..83, 41..91, 68..367, 89..373, 90..371		

Seq. No.	19709	Seq. ID	OJ990826_10.9B18.C11
Gene No.	41146	Strand	+
Start	1	End	1330
Name	OJ990826_10.9B18.C11.o1.tc	Method	TBLASTX:Cress
Start	390	End	740
GI	none	Score	296
Exons	390..740, 398..547, 587..739		

Seq. No.	19709	Seq. ID	OJ990826_10.9B18.C11
Gene No.	41146	Strand	+
Start	1	End	1330
Name	OJ990826_10.9B18.C11.o2.ts	Method	TBLASTX:Soybean
Start	390	End	668
GI	none	Score	221
Exons	390..668, 404..658		

Seq. No.	19709	Seq. ID	OJ990826_10.9B18.C11
Gene No.	41146	Strand	+
Start	1	End	1330
Name	OJ990826_10.9B18.C11.o1.tw	Method	TBLASTX:Wheat
Start	527	End	827
GI	none	Score	333
Exons	527..799, 528..827		

Seq. No.	19709	Seq. ID	OJ990826_10.9B18.C11
Gene No.	41146	Strand	+
Start	1	End	1330
Name	OJ990826_10.9B18.C11.o1.tm	Method	TBLASTX:Maize
Start	579	End	1028
GI	none	Score	229
Exons	579..710, 584..811, 585..827, 809..1012, 834..1028		

Seq. No.	19709	Seq. ID	OJ990826_10.9B18.C11
Gene No.	41146	Strand	+
Start	1	End	1330
Name	OJ990826_10.9B18.C11.o3.ts	Method	TBLASTX:Soybean

Start	863	End	1097
GI	none	Score	219
Exons	863..1024, 864..1097, 888..1088		

Seq. No.	19710	Seq. ID	OJ990916_15.9B22.C1
Gene No.	41147	Strand	+
Start	25	End	322
Name	OJ990916_15.9B22.C1.o1.np	Method	AAT/NAP
Start	25	End	322
GI	862343	Score	175
Exons	25..178, 222..322		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	19710	Seq. ID	OJ990916_15.9B22.C1
Gene No.	41148	Strand	-
Start	507	End	5035
Name	OJ990916_15.9B22.C1.o1.gs	Method	GENSCAN
Start	507	End	5035
GI	none	Score	.56
Exons	507..577, 751..853, 945..1017, 1321..1494, 1569..1671, 1708..2680, 2751..3184, 3285..3866, 4005..4131, 4599..5035		

Seq. No.	19710	Seq. ID	OJ990916_15.9B22.C1
Gene No.	41148	Strand	-
Start	507	End	5035
Name	OJ990916_15.9B22.C1.o2.np	Method	AAT/NAP
Start	513	End	4146
GI	4680204	Score	1033
Exons	513..749, 1104..1219, 1321..1494, 1569..2680, 2745..4146		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	19710	Seq. ID	OJ990916_15.9B22.C1
Gene No.	41148	Strand	-
Start	507	End	5035
Name	OJ990916_15.9B22.C1.o3.np	Method	AAT/NAP
Start	1218	End	4146
GI	4680204	Score	965
Exons	1218..1494, 1569..2680, 2745..4146		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	19710	Seq. ID	OJ990916_15.9B22.C1
Gene No.	41148	Strand	-
Start	507	End	5035
Name	OJ990916_15.9B22.C1.o2.tw	Method	TBLASTX:Wheat
Start	2468	End	3155
GI	none	Score	75
Exons	2468..2686, 3051..3155, 3097..3153		

Seq. No.	19710	Seq. ID	OJ990916_15.9B22.C1
Gene No.	41148	Strand	-
Start	507	End	5035
Name	OJ990916_15.9B22.C1.o1.tw	Method	TBLASTX:Wheat
Start	3277	End	3543
GI	none	Score	100

Exons	3277..3543, 3302..3436		
Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41149	Strand	+
Start	4884	End	5357
Name	OJ990916_15.9B22.C2.o1.gp	Method	AAT/GAP
Start	4884	End	5357
GI	34540_1.R1084	Score	924
Exons	4884..5357		
GI Descrip.	'548493/sp|P35339|PGLT_MAIZE 7.0e-29 EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) >gi_629854_pir__S30067 polygalacturonase - maize >gi_288612_emb_CAA47052_ (X66422) polygalacturonase [Zea mays]'		
Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41150	Strand	+
Start	7945	End	10752
Name	OJ990916_15.9B22.C2.o3.gs	Method	GENSCAN
Start	7945	End	10513
GI	none	Score	.7
Exons	7945..7947, 8509..9432, 9489..9811, 9888..10246, 10314..10513		
Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41150	Strand	+
Start	7945	End	10752
Name	OJ990916_15.9B22.C2.o3.np	Method	AAT/NAP
Start	8548	End	10752
GI	6691716	Score	1827
Exons	8548..9432, 9630..9811, 9888..9988, 10067..10246, 10326..10513, 10588..10752		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41151	Strand	-
Start	633	End	3947
Name	OJ990916_15.9B22.C2.o1.gs	Method	GENSCAN
Start	633	End	3947
GI	none	Score	.44
Exons	633..713, 954..1145, 1530..3002, 3138..3947		
Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41151	Strand	-
Start	633	End	3947
Name	OJ990916_15.9B22.C2.o1.np	Method	AAT/NAP
Start	639	End	3947
GI	4680203	Score	3235
Exons	639..1616, 1893..2127, 2281..3947		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o1.tw	Method	TBLASTX:Wheat
Start	687	End	2015

GI	none	Score	58
Exons	687..785, 774..854, 802..855, 859..936, 861..1007, 862..1008, 955..1080, 987..1046, 1053..1097, 1054..1098, 1077..2009, 1108..2007, 1736..2008, 1824..2015		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o2.tc	Method	TBLASTX:Cress
Start	1275	End	1722
GI	none	Score	199
Exons	1275..1712, 1275..1718, 1279..1722, 1300..1722		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o3.tm	Method	TBLASTX:Maize
Start	1653	End	2034
GI	none	Score	151
Exons	1653..1967, 1681..1956, 1984..2034		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o4.tw	Method	TBLASTX:Wheat
Start	2016	End	2424
GI	none	Score	70
Exons	2016..2096, 2017..2097, 2130..2357, 2130..2372, 2358..2420, 2371..2424		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o3.ts	Method	TBLASTX:Soybean
Start	2454	End	2696
GI	none	Score	213
Exons	2454..2696		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o2.tm	Method	TBLASTX:Maize
Start	2526	End	2988
GI	none	Score	101
Exons	2526..2720, 2730..2972, 2731..2988		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o2.tw	Method	TBLASTX:Wheat
Start	2560	End	8495
GI	none	Score	140
Exons	2560..2769, 2564..2767, 2565..2789, 2758..2862, 2767..2856, 2769..2864, 2769..2867, 2871..2975, 2875..2976, 2973..3029, 2977..3021, 2985..3029, 8355..8495		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2

Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o3.tc	Method	TBLASTX:Cress
Start	2817	End	3159
GI	none	Score	119
Exons	2817..3158, 2821..3066, 3106..3159		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o2.ts	Method	TBLASTX:Soybean
Start	2898	End	3323
GI	none	Score	112
Exons	2898..3194, 2911..3144, 3189..3323		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o5.tw	Method	TBLASTX:Wheat
Start	3237	End	3604
GI	none	Score	157
Exons	3237..3497, 3240..3497, 3244..3498, 3244..3507, 3245..3505, 3489..3596, 3500..3604, 3503..3568		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o1.tm	Method	TBLASTX:Maize
Start	5115	End	6272
GI	none	Score	128
Exons	5115..5237, 5117..5266, 5122..5265, 5122..5889, 5129..5872, 5767..5874, 5967..6095, 5968..6093, 6082..6237, 6099..6272, 6114..6257		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o2.gs	Method	GENSCAN
Start	5131	End	6458
GI	none	Score	1
Exons	5131..5877, 5967..6458		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o2.np	Method	AAT/NAP
Start	5134	End	6471
GI	548493	Score	1511
Exons	5134..5877, 5967..6471		
GI Descrip.	EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) gi|629854|pir||S30067 polygalacturonase - maize gi|288612|emb|CAA47052| (X66422) polygalacturonase [Zea mays]		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495

Name	OJ990916_15.9B22.C2.o1.ts	Method	TBLASTX:Soybean
Start	5135	End	6158
GI	none	Score	208
Exons	5135..5353, 5137..5355, 5354..5878, 5368..5877, 5989..6156, 6006..6158		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o1.tc	Method	TBLASTX:Cress
Start	5137	End	6272
GI	none	Score	111
Exons	5137..5877, 5138..5506, 5573..5617, 5639..5869, 5767..5877, 5970..6272		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o2.gp	Method	AAT/GAP
Start	5531	End	6498
GI	26916_1.R1084	Score	1509
Exons	5531..5877, 5967..6498		
GI Descrip.	'4826572/emb|CAB42886.1| 5.0e-96 (AJ238848) polygalacturonase [Phleum pratense]'		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41152	Strand	-
Start	5131	End	8495
Name	OJ990916_15.9B22.C2.o3.tw	Method	TBLASTX:Wheat
Start	5708	End	6237
GI	none	Score	123
Exons	5708..5878, 5710..5889, 5717..5767, 5767..5880, 5958..6155, 5967..6236, 5968..6237		

Seq. No.	19711	Seq. ID	OJ990916_15.9B22.C2
Gene No.	41153	Strand	
Start	8668	End	8958
Name	OJ990916_15.9B22.C2.o6.tw	Method	TBLASTX:Wheat
Start	8668	End	8958
GI	none	Score	213
Exons	8668..8958		

Seq. No.	19712	Seq. ID	OJ990916_15.9B22.C3
Gene No.	41154	Strand	-
Start	222	End	5873
Name	OJ990916_15.9B22.C3.o1.gs	Method	GENSCAN
Start	222	End	5815
GI	none	Score	.76
Exons	222..917, 948..1741, 1955..2092, 2176..2350, 2379..2774, 4495..4552, 5727..5815		

Seq. No.	19712	Seq. ID	OJ990916_15.9B22.C3
Gene No.	41154	Strand	-
Start	222	End	5873
Name	OJ990916_15.9B22.C3.o1.tw	Method	TBLASTX:Wheat
Start	235	End	623
GI	none	Score	150

Exons	235..402, 261..623, 277..576		
Seq. No.	19712	Seq. ID	OJ990916_15.9B22.C3
Gene No.	41154	Strand	-
Start	222	End	5873
Name	OJ990916_15.9B22.C3.o1.np	Method	AAT/NAP
Start	269	End	2963
GI	5902444	Score	3704
Exons	269..2963		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	19712	Seq. ID	OJ990916_15.9B22.C3
Gene No.	41154	Strand	-
Start	222	End	5873
Name	OJ990916_15.9B22.C3.o2.tw	Method	TBLASTX:Wheat
Start	1251	End	1653
GI	none	Score	110
Exons	1251..1652, 1384..1653		
Seq. No.	19712	Seq. ID	OJ990916_15.9B22.C3
Gene No.	41154	Strand	-
Start	222	End	5873
Name	OJ990916_15.9B22.C3.o2.np	Method	AAT/NAP
Start	3625	End	5873
GI	6721512	Score	105
Exons	3625..3642, 5080..5142, 5185..5320, 5348..5462, 5808..5873		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41155	Strand	+
Start	11701	End	17179
Name	OJ990916_15.9B22.C4.o3.gs	Method	GENSCAN
Start	11701	End	17179
GI	none	Score	.78
Exons	11701..12008, 12010..12143, 12561..12699, 14089..14164, 14200..15123, 15329..15959, 16034..16221, 16297..16486, 16554..16658, 16731..17179		
Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41155	Strand	+
Start	11701	End	17179
Name	OJ990916_15.9B22.C4.o3.np	Method	AAT/NAP
Start	14239	End	17176
GI	6691716	Score	2371
Exons	14239..15109, 15294..15486, 15568..15859, 16027..16221, 16297..16396, 16542..16658, 16731..17176		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41156	Strand	+
Start	19894	End	20141
Name	OJ990916_15.9B22.C4.o4.gp	Method	AAT/GAP
Start	19894	End	20141
GI	3761181	Score	450
Exons	19894..20141		

GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41157	Strand	+
Start	26174	End	26421
Name	OJ990916_15.9B22.C4.o6.gp	Method	AAT/GAP
Start	26174	End	26421
GI	3761181	Score	450
Exons	26174..26421		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41158	Strand	-
Start	2088	End	6408
Name	OJ990916_15.9B22.C4.o1.np	Method	AAT/NAP
Start	2088	End	6408
GI	3157945	Score	1095
Exons	2088..2390, 2480..2718, 2819..3148, 3258..3401, 3564..3684, 3949..4037, 4125..4195, 4478..4546, 6320..6408		
GI Descrip.	(AC002131) Contains similarity to axi 1 gene gb|X80301 from Nicotiana tabacum. [Arabidopsis thaliana]		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41158	Strand	-
Start	2088	End	6408
Name	OJ990916_15.9B22.C4.o1.gp	Method	AAT/GAP
Start	5290	End	5619
GI	701184	Score	636
Exons	5290..5619		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41159	Strand	-
Start	12771	End	12923
Name	OJ990916_15.9B22.C4.o2.gp	Method	AAT/GAP
Start	12771	End	12923
GI	uC-osflcyp177g01a1	Score	237
Exons	12771..12923		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o1.tc	Method	TBLASTX:Cress
Start	2088	End	2348
GI	none	Score	55
Exons	2088..2348, 2095..2190, 2254..2346		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o5.tm	Method	TBLASTX:Maize
Start	2154	End	2697
GI	none	Score	132
Exons	2154..2438, 2155..2391, 2477..2554, 2484..2552, 2572..2697		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o4.ts	Method	TBLASTX:Soybean
Start	2244	End	3146
GI	none	Score	43
Exons	2244..2279, 2289..2393, 2477..2554, 2557..2709, 2864..2965, 2919..2960, 3069..3146		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o8.tw	Method	TBLASTX:Wheat
Start	14359	End	14649
GI	none	Score	213
Exons	14359..14649		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o4.gs	Method	GENSCAN
Start	17496	End	19774
GI	none	Score	.75
Exons	17496..18050, 18113..19774		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o4.np	Method	AAT/NAP
Start	17499	End	27317
GI	5902445	Score	5283
Exons	17499..19775, 26500..27317		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o4.tw	Method	TBLASTX:Wheat
Start	17508	End	18122
GI	none	Score	80
Exons	17508..17645, 17631..17789, 17844..18122, 17860..17961, 18013..18102		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o4.tm	Method	TBLASTX:Maize
Start	17547	End	17780
GI	none	Score	101
Exons	17547..17648, 17548..17649, 17628..17780		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o8.tm	Method	TBLASTX:Maize
Start	17892	End	18165

GI	none	Score	56
Exons	17892..17978, 17988..18071, 18001..18075, 18058..18165, 18066..18164		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o2.tw	Method	TBLASTX:Wheat
Start	18236	End	18623
GI	none	Score	112
Exons	18236..18427, 18236..18622, 18312..18623		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	18266	End	18629
GI	none	Score	67
Exons	18266..18313, 18267..18314, 18285..18608, 18305..18628, 18318..18629		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o7.tm	Method	TBLASTX:Maize
Start	18857	End	19111
GI	none	Score	192
Exons	18857..19111		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o3.tw	Method	TBLASTX:Wheat
Start	18941	End	19363
GI	none	Score	271
Exons	18941..19363, 18951..19355		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o1.ts	Method	TBLASTX:Soybean
Start	18984	End	19372
GI	none	Score	156
Exons	18984..19364, 18986..19372		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o5.tw	Method	TBLASTX:Wheat
Start	19400	End	26552
GI	none	Score	128
Exons	19400..19780, 19401..19772, 26502..26552		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o6.tm	Method	TBLASTX:Maize

Start	19487	End	19774
GI	none	Score	89
Exons	19487..19513, 19511..19654, 19524..19655, 19676..19774		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o3.ts	Method	TBLASTX:Soybean
Start	19598	End	26723
GI	none	Score	123
Exons	19598..19771, 26511..26723, 26563..26706		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o6.tw	Method	TBLASTX:Wheat
Start	23286	End	28049
GI	none	Score	73
Exons	23286..23357, 27592..27828, 27594..27824, 27873..27986, 27873..28049		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o5.gp	Method	AAT/GAP
Start	25465	End	26165
GI	5816518	Score	153
Exons	25465..25506, 26060..26165		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o6.gs	Method	GENSCAN
Start	26394	End	28564
GI	none	Score	.82
Exons	26394..27300, 27397..28564		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o3.tm	Method	TBLASTX:Maize
Start	26502	End	26858
GI	none	Score	154
Exons	26502..26858, 26506..26754		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o7.tw	Method	TBLASTX:Wheat
Start	26598	End	26916
GI	none	Score	177
Exons	26598..26915, 26599..26916		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-

Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o2.tm	Method	TBLASTX:Maize
Start	26886	End	27242
GI	none	Score	212
Exons	26886..27242, 26896..27201		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o1.tw	Method	TBLASTX:Wheat
Start	26916	End	27372
GI	none	Score	268
Exons	26916..27371, 26917..27372		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o2.ts	Method	TBLASTX:Soybean
Start	26967	End	27332
GI	none	Score	138
Exons	26967..27101, 27108..27332		

Seq. No.	19713	Seq. ID	OJ990916_15.9B22.C4
Gene No.	41160	Strand	-
Start	17496	End	28738
Name	OJ990916_15.9B22.C4.o5.np	Method	AAT/NAP
Start	27384	End	28738
GI	5902444	Score	2003
Exons	27384..28738		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41161	Strand	+
Start	1	End	1453
Name	OJ990916_15.9B22.C5.o1.np	Method	AAT/NAP
Start	1	End	1453
GI	2443320	Score	2143
Exons	1..1453		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41161	Strand	+
Start	1	End	1453
Name	OJ990916_15.9B22.C5.o1.gs	Method	GENSCAN
Start	674	End	1228
GI	none	Score	.77
Exons	674..817, 965..1228		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41162	Strand	+
Start	7582	End	14425
Name	OJ990916_15.9B22.C5.o3.gs	Method	GENSCAN
Start	7582	End	14425
GI	none	Score	.86
Exons	7582..7677, 9203..9307, 10529..10715, 10973..11197, 11359..11539, 11658..12171, 12319..13080, 13162..13584, 13973..14425		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41163	Strand	-
Start	2220	End	4214
Name	OJ990916_15.9B22.C5.o2.gs	Method	GENSCAN
Start	2220	End	4214
GI	none	Score	.79
Exons	2220..2451, 2588..2757, 3033..3168, 4114..4214		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o6.ts	Method	TBLASTX:Soybean
Start	5	End	342
GI	5509260	Score	151
Exons	5..199, 22..186, 202..342, 219..332		
GI Descrip.	-		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o1.tw	Method	TBLASTX:Wheat
Start	58	End	853
GI	none	Score	175
Exons	58..192, 59..190, 189..338, 190..342, 210..338, 341..403, 346..399, 351..464, 373..852, 389..853		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o5.tm	Method	TBLASTX:Maize
Start	82	End	490
GI	none	Score	116
Exons	82..186, 83..187, 190..342, 219..326, 341..490		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o2.tm	Method	TBLASTX:Maize
Start	503	End	967
GI	none	Score	62
Exons	503..664, 641..946, 734..967		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o4.ts	Method	TBLASTX:Soybean
Start	815	End	1318
GI	none	Score	223
Exons	815..1183, 1018..1173, 1214..1318		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o2.tw	Method	TBLASTX:Wheat
Start	926	End	1410
GI	none	Score	496

Exons	926..1378, 927..1082, 928..1386, 931..1410		
Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o3.tm	Method	TBLASTX:Maize
Start	1009	End	1378
GI	none	Score	154
Exons	1009..1167, 1010..1183, 1184..1378, 1220..1345, 1222..1377		
Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o6.tm	Method	TBLASTX:Maize
Start	5438	End	5882
GI	none	Score	131
Exons	5438..5560, 5439..5573, 5449..5574, 5461..5574, 5656..5754, 5657..5764, 5663..5758, 5752..5868, 5758..5880, 5760..5882, 5769..5882		
Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o3.ts	Method	TBLASTX:Soybean
Start	15005	End	15255
GI	none	Score	52
Exons	15005..15046, 15016..15255, 15083..15253		
Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o2.np	Method	AAT/NAP
Start	15016	End	19009
GI	4544372	Score	1095
Exons	15016..16591, 16700..17091, 17152..18161, 18986..19009		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o5.ts	Method	TBLASTX:Soybean
Start	15597	End	15998
GI	none	Score	227
Exons	15597..15998		
Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o5.tw	Method	TBLASTX:Wheat
Start	16416	End	16813
GI	none	Score	67
Exons	16416..16586, 16610..16684, 16730..16813		
Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009

Name	OJ990916_15.9B22.C5.o2.ts	Method	TBLASTX:Soybean
Start	16447	End	16859
GI	none	Score	59
Exons	16447..16587, 16449..16592, 16616..16699, 16617..16700, 16721..16858, 16728..16859		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o1.ts	Method	TBLASTX:Soybean
Start	17009	End	17479
GI	none	Score	94
Exons	17009..17197, 17022..17153, 17198..17479, 17373..17441		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o4.tw	Method	TBLASTX:Wheat
Start	17096	End	17494
GI	none	Score	54
Exons	17096..17179, 17162..17494, 17370..17477		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o1.tm	Method	TBLASTX:Maize
Start	17165	End	17626
GI	none	Score	76
Exons	17165..17626, 17166..17273, 17237..17626		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o3.tw	Method	TBLASTX:Wheat
Start	17495	End	17886
GI	none	Score	210
Exons	17495..17767, 17538..17747, 17758..17835, 17759..17827, 17830..17886		

Seq. No.	19714	Seq. ID	OJ990916_15.9B22.C5
Gene No.	41164	Strand	-
Start	15016	End	19009
Name	OJ990916_15.9B22.C5.o4.tm	Method	TBLASTX:Maize
Start	17627	End	17832
GI	none	Score	129
Exons	17627..17767, 17628..17756, 17645..17767, 17758..17832, 17759..17827		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41165	Strand	+
Start	298	End	740
Name	OJ990916_15.9B22.C6.o1.gs	Method	GENSCAN
Start	298	End	740
GI	none	Score	.67
Exons	298..393, 669..740		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6

Gene No.	41166	Strand	-
Start	3077	End	3478
Name	OJ990916_15.9B22.C6.o1.np	Method	AAT/NAP
Start	1948	End	3478
GI	6063554	Score	208
Exons	1948..2152, 3248..3478		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41166	Strand	-
Start	3077	End	3478
Name	OJ990916_15.9B22.C6.o2.gs	Method	GENSCAN
Start	3077	End	3435
GI	none	Score	.62
Exons	3077..3187, 3235..3435		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41167	Strand	-
Start	4236	End	9827
Name	OJ990916_15.9B22.C6.o3.gs	Method	GENSCAN
Start	4236	End	9827
GI	none	Score	.42
Exons	4236..4531, 4574..4727, 4776..5030, 5214..5738, 5740..6614, 6862..6987, 7164..7388, 7617..7832, 7896..8067, 8164..8742, 9156..9827		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41167	Strand	-
Start	4236	End	9827
Name	OJ990916_15.9B22.C6.o2.np	Method	AAT/NAP
Start	4239	End	8756
GI	4680179	Score	5456
Exons	4239..5674, 5730..7695, 7723..8756		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41167	Strand	-
Start	4236	End	9827
Name	OJ990916_15.9B22.C6.o3.np	Method	AAT/NAP
Start	9031	End	9827
GI	4512231	Score	1193
Exons	9031..9827		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o7.tm	Method	TBLASTX:Maize
Start	4229	End	4475
GI	none	Score	44
Exons	4229..4261, 4229..4270, 4263..4475, 4264..4443		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196

Name	OJ990916_15.9B22.C6.o6.tw	Method	TBLASTX:Wheat
Start	4284	End	4617
GI	none	Score	164
Exons	4284..4616, 4306..4617		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o1.tm	Method	TBLASTX:Maize
Start	4479	End	5064
GI	none	Score	187
Exons	4479..4904, 4480..4905, 4902..5063, 4909..5064		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o1.tw	Method	TBLASTX:Wheat
Start	4617	End	5243
GI	none	Score	51
Exons	4617..5243, 4618..4686, 4729..5184, 5209..5241		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o3.tm	Method	TBLASTX:Maize
Start	5112	End	5404
GI	none	Score	313
Exons	5112..5402, 5116..5403, 5300..5404		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o2.ts	Method	TBLASTX:Soybean
Start	5202	End	5462
GI	none	Score	129
Exons	5202..5450, 5202..5462, 5203..5451		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o3.tw	Method	TBLASTX:Wheat
Start	5250	End	5844
GI	none	Score	348
Exons	5250..5693, 5254..5625, 5716..5844		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o2.tm	Method	TBLASTX:Maize
Start	5872	End	6225
GI	none	Score	184
Exons	5872..6225, 5879..6220		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o2.tw	Method	TBLASTX:Wheat

Start	5872	End	6297
GI	none	Score	227
Exons	5872..6222, 5872..6297, 5879..6295		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o3.ts	Method	TBLASTX:Soybean
Start	6043	End	6291
GI	none	Score	65
Exons	6043..6291, 6161..6265		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o4.tm	Method	TBLASTX:Maize
Start	6262	End	6762
GI	none	Score	121
Exons	6262..6582, 6583..6762		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o5.tw	Method	TBLASTX:Wheat
Start	6298	End	6600
GI	none	Score	201
Exons	6298..6600, 6299..6568		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o1.ts	Method	TBLASTX:Soybean
Start	6313	End	6708
GI	none	Score	35
Exons	6313..6672, 6336..6395, 6419..6568, 6629..6670, 6676..6708, 6676..6708		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o4.tw	Method	TBLASTX:Wheat
Start	6652	End	7081
GI	none	Score	54
Exons	6652..6786, 6692..6787, 6767..7081, 6777..7028		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o4.ts	Method	TBLASTX:Soybean
Start	6782	End	7063
GI	none	Score	182
Exons	6782..7063		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o5.tm	Method	TBLASTX:Maize

Start	6831	End	7069
GI	none	Score	142
Exons	6831..7022, 6833..7069		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o8.tw	Method	TBLASTX:Wheat
Start	7264	End	7617
GI	none	Score	243
Exons	7264..7617		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o7.tw	Method	TBLASTX:Wheat
Start	7951	End	8302
GI	none	Score	58
Exons	7951..8301, 8153..8302		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o6.tm	Method	TBLASTX:Maize
Start	7999	End	8301
GI	none	Score	67
Exons	7999..8301, 8153..8275		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o9.tw	Method	TBLASTX:Wheat
Start	8353	End	8550
GI	none	Score	121
Exons	8353..8550, 8354..8533		

Seq. No.	19715	Seq. ID	OJ990916_15.9B22.C6
Gene No.	41168	Strand	-
Start	11003	End	11196
Name	OJ990916_15.9B22.C6.o4.np	Method	AAT/NAP
Start	11003	End	11196
GI	6063554	Score	180
Exons	11003..11196		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19716	Seq. ID	OJ990916_15.9B22.C7
Gene No.	41169	Strand	-
Start	35	End	313
Name	OJ990916_15.9B22.C7.o1.np	Method	AAT/NAP
Start	35	End	313
GI	3746060	Score	138
Exons	35..313		
GI Descrip.	(AC005311) unknown protein [Arabidopsis thaliana]		

Seq. No.	19716	Seq. ID	OJ990916_15.9B22.C7

Gene No.	41169	Strand	-
Start	35	End	313
Name	OJ990916_15.9B22.C7.o1.gs	Method	GENSCAN
Start	39	End	154
GI	none	Score	.99
Exons	39..154		

Seq. No.	19717	Seq. ID	OJ990916_15.9B22.C8
Gene No.	41170	Strand	+
Start	1	End	418
Name	OJ990916_15.9B22.C8.o1.np	Method	AAT/NAP
Start	1	End	418
GI	5902445	Score	740
Exons	1..418		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19717	Seq. ID	OJ990916_15.9B22.C8
Gene No.	41171	Strand	-
Start	157	End	405
Name	OJ990916_15.9B22.C8.o1.tm	Method	TBLASTX:Maize
Start	12	End	375
GI	none	Score	450
Exons	12..323, 13..336, 33..356, 327..374, 328..375		

Seq. No.	19717	Seq. ID	OJ990916_15.9B22.C8
Gene No.	41171	Strand	-
Start	157	End	405
Name	OJ990916_15.9B22.C8.o1.tw	Method	TBLASTX:Wheat
Start	18	End	405
GI	none	Score	420
Exons	18..329, 19..405, 214..405		

Seq. No.	19717	Seq. ID	OJ990916_15.9B22.C8
Gene No.	41171	Strand	-
Start	157	End	405
Name	OJ990916_15.9B22.C8.o1.gs	Method	GENSCAN
Start	157	End	354
GI	none	Score	.78
Exons	157..354		

Seq. No.	19718	Seq. ID	OJ990916_15.9B22.C9
Gene No.	41172	Strand	-
Start	1	End	753
Name	OJ990916_15.9B22.C9.o1.np	Method	AAT/NAP
Start	1	End	753
GI	5091513	Score	871
Exons	1..753		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19718	Seq. ID	OJ990916_15.9B22.C9
Gene No.	41172	Strand	-
Start	1	End	753
Name	OJ990916_15.9B22.C9.o1.gs	Method	GENSCAN
Start	62	End	635
GI	none	Score	.68
Exons	62..635		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41173	Strand	+
Start	552	End	1971
Name	OJ990916_15.9B22.C12.o1.gs	Method	GENSCAN
Start	552	End	1971
GI	none	Score	.89
Exons	552..599, 1715..1764, 1791..1971		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o2.gs	Method	GENSCAN
Start	2015	End	3628
GI	none	Score	.4
Exons	2015..2109, 2342..2459, 2531..3628		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o3.tm	Method	TBLASTX:Maize
Start	2537	End	2776
GI	none	Score	149
Exons	2537..2575, 2588..2776, 2600..2773		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o1.np	Method	AAT/NAP
Start	2630	End	3675
GI	6705984	Score	1663
Exons	2630..3675		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o2.tm	Method	TBLASTX:Maize
Start	2778	End	3052
GI	none	Score	247
Exons	2778..3050, 2779..3018, 2780..3052		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o1.tw	Method	TBLASTX:Wheat
Start	2819	End	3217
GI	none	Score	448
Exons	2819..3217, 2829..3215, 2830..3216		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o4.tm	Method	TBLASTX:Maize
Start	3056	End	3349
GI	none	Score	222
Exons	3056..3349		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o2.tw	Method	TBLASTX:Wheat
Start	3248	End	3607
GI	none	Score	323
Exons	3248..3607, 3258..3602, 3514..3603		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o1.tm	Method	TBLASTX:Maize
Start	3352	End	3673
GI	none	Score	299
Exons	3352..3642, 3356..3670, 3357..3668, 3359..3673		

Seq. No.	19719	Seq. ID	OJ990916_15.9B22.C12
Gene No.	41174	Strand	-
Start	2015	End	3675
Name	OJ990916_15.9B22.C12.o1.tc	Method	TBLASTX:Cress
Start	3419	End	3670
GI	none	Score	189
Exons	3419..3670, 3420..3644, 3422..3646		

Seq. No.	19720	Seq. ID	OJ990916_15.9B22.C13
Gene No.	41175	Strand	-
Start	1	End	807
Name	OJ990916_15.9B22.C13.o1.np	Method	AAT/NAP
Start	1	End	807
GI	6705984	Score	1254
Exons	1..807		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	19720	Seq. ID	OJ990916_15.9B22.C13
Gene No.	41175	Strand	-
Start	1	End	807
Name	OJ990916_15.9B22.C13.o1.ts	Method	TBLASTX:Soybean
Start	37	End	249
GI	none	Score	190
Exons	37..249		

Seq. No.	19720	Seq. ID	OJ990916_15.9B22.C13
Gene No.	41175	Strand	-
Start	1	End	807
Name	OJ990916_15.9B22.C13.o1.tm	Method	TBLASTX:Maize
Start	172	End	639
GI	none	Score	126
Exons	172..639, 203..472, 205..564		

Seq. No.	19720	Seq. ID	OJ990916_15.9B22.C13
Gene No.	41175	Strand	-
Start	1	End	807
Name	OJ990916_15.9B22.C13.o1.tw	Method	TBLASTX:Wheat
Start	226	End	708
GI	none	Score	173
Exons	226..708, 260..613		

Seq. No.	19720	Seq. ID	OJ990916_15.9B22.C13
Gene No.	41175	Strand	-
Start	1	End	807
Name	OJ990916_15.9B22.C13.o2.tm	Method	TBLASTX:Maize
Start	664	End	807
GI	none	Score	189
Exons	664..807, 665..805		

Seq. No.	19721	Seq. ID	OJ990916_15.9B22.C14
Gene No.	41176	Strand	-
Start	1	End	1532
Name	OJ990916_15.9B22.C14.o1.np	Method	AAT/NAP
Start	1	End	1532
GI	6705984	Score	1486
Exons	1..1532		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	19721	Seq. ID	OJ990916_15.9B22.C14
Gene No.	41176	Strand	-
Start	1	End	1532
Name	OJ990916_15.9B22.C14.o2.tw	Method	TBLASTX:Wheat
Start	1	End	180
GI	none	Score	100
Exons	1..180, 8..112		

Seq. No.	19721	Seq. ID	OJ990916_15.9B22.C14
Gene No.	41176	Strand	-
Start	1	End	1532
Name	OJ990916_15.9B22.C14.o1.tw	Method	TBLASTX:Wheat
Start	523	End	1107
GI	none	Score	267
Exons	523..894, 530..895, 538..900, 899..1090, 901..1107		

Seq. No.	19721	Seq. ID	OJ990916_15.9B22.C14
Gene No.	41176	Strand	-
Start	1	End	1532
Name	OJ990916_15.9B22.C14.o1.ts	Method	TBLASTX:Soybean
Start	664	End	1060
GI	none	Score	61
Exons	664..885, 668..865, 925..1059, 926..1060		

Seq. No.	19721	Seq. ID	OJ990916_15.9B22.C14
Gene No.	41176	Strand	-
Start	1	End	1532
Name	OJ990916_15.9B22.C14.o1.tm	Method	TBLASTX:Maize
Start	868	End	1105
GI	none	Score	212
Exons	868..1104, 869..1102, 907..1104, 986..1105		

Seq. No.	19722	Seq. ID	OJ990916_15.9B22.C15
Gene No.	41177	Strand	-
Start	1	End	733
Name	OJ990916_15.9B22.C15.o1.np	Method	AAT/NAP
Start	1	End	733
GI	5091513	Score	975
Exons	1..733		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19722	Seq. ID	OJ990916_15.9B22.C15
Gene No.	41177	Strand	-
Start	1	End	733
Name	OJ990916_15.9B22.C15.o1.gs	Method	GENSCAN
Start	41	End	728
GI	none	Score	.99
Exons	41..728		

Seq. No.	19723	Seq. ID	OJ990916_15.9B22.C16
Gene No.	41178	Strand	+
Start	477	End	678
Name	OJ990916_15.9B22.C16.o1.gs	Method	GENSCAN
Start	477	End	678
GI	none	Score	.92
Exons	477..678		

Seq. No.	19724	Seq. ID	OJ990916_15.9B22.C17
Gene No.	41179	Strand	+
Start	330	End	2795
Name	OJ990916_15.9B22.C17.o1.gs	Method	GENSCAN
Start	330	End	2795
GI	none	Score	.54
Exons	330..495, 712..815, 1810..1913, 2696..2795		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41180	Strand	+
Start	4278	End	5620
Name	OJ990916_15.9B22.C18.o1.gp	Method	AAT/GAP
Start	4238	End	5256
GI	26916_1.R1084	Score	1745
Exons	4238..4769, 4874..5256		
GI Descrip.	'4826572/emb|CAB42886.1| 5.0e-96 (AJ238848) polygalacturonase [Phleum pratense]'		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41180	Strand	+
Start	4278	End	5620
Name	OJ990916_15.9B22.C18.o2.np	Method	AAT/NAP
Start	4265	End	5617
GI	548493	Score	1562
Exons	4265..4769, 4874..5617		
GI Descrip.	EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) gi|629854|pir||S30067 polygalacturonase - maize gi|288612|emb|CAA47052| (X66422) polygalacturonase [Zea mays]		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41180	Strand	+
Start	4278	End	5620
Name	OJ990916_15.9B22.C18.o2.gs	Method	GENSCAN
Start	4278	End	5620
GI	none	Score	1
Exons	4278..4769, 4874..5620		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41181	Strand	-

Start	1	End	1962
Name	OJ990916_15.9B22.C18.o1.np	Method	AAT/NAP
Start	1	End	1490
GI	3746060	Score	163
Exons	1..213, 1460..1490		
GI Descrip.	(AC005311) unknown protein [Arabidopsis thaliana]		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41181	Strand	-
Start	1	End	1962
Name	OJ990916_15.9B22.C18.o1.gs	Method	GENSCAN
Start	17	End	1962
GI	none	Score	.88
Exons	17..262, 546..702, 1508..1580, 1936..1962		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41182	Strand	-
Start	5394	End	5867
Name	OJ990916_15.9B22.C18.o2.gp	Method	AAT/GAP
Start	5394	End	5867
GI	34540_1.R1084	Score	924
Exons	5394..5867		
GI Descrip.	'548493/sp|P35339|PGLT_MAIZE 7.0e-29 EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) >gi_629854_pir__S30067 polygalacturonase - maize >gi_288612_emb_CAA47052_ (X66422) polygalacturonase [Zea mays]'		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41183	Strand	-
Start	8137	End	9592
Name	OJ990916_15.9B22.C18.o1.tc	Method	TBLASTX:Cress
Start	4464	End	5614
GI	none	Score	201
Exons	4464..4766, 4882..5112, 4886..5614, 5134..5178, 5144..5263, 5245..5613		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41183	Strand	-
Start	8137	End	9592
Name	OJ990916_15.9B22.C18.o1.tm	Method	TBLASTX:Maize
Start	4473	End	5623
GI	none	Score	330
Exons	4473..4769, 4476..4646, 4710..4802, 4862..5623, 4871..4987, 4873..5178, 5150..5383, 5242..5607, 5483..5617, 5544..5621		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41183	Strand	-
Start	8137	End	9592
Name	OJ990916_15.9B22.C18.o1.tw	Method	TBLASTX:Wheat
Start	4499	End	5043
GI	none	Score	311
Exons	4499..4645, 4500..4769, 4509..4646, 4703..4768, 4710..4778, 4862..5041, 4873..5043		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41183	Strand	-

Start	8137	End	9592
Name	OJ990916_15.9B22.C18.o1.ts	Method	TBLASTX:Soybean
Start	4578	End	5617
GI	none	Score	150
Exons	4578..4730, 4580..4627, 4873..5370, 4874..5383, 5153..5383, 5390..5614, 5398..5616, 5495..5617		

Seq. No.	19725	Seq. ID	OJ990916_15.9B22.C18
Gene No.	41183	Strand	-
Start	8137	End	9592
Name	OJ990916_15.9B22.C18.o3.gs	Method	GENSCAN
Start	8137	End	9592
GI	none	Score	.43
Exons	8137..8250, 9537..9592		

Seq. No.	19726	Seq. ID	OJ990916_15.9B22.C19
Gene No.	41184	Strand	+
Start	1027	End	1108
Name	OJ990916_15.9B22.C19.o1.gs	Method	GENSCAN
Start	1027	End	1108
GI	none	Score	.63
Exons	1027..1108		

Seq. No.	19726	Seq. ID	OJ990916_15.9B22.C19
Gene No.	41185	Strand	+
Start	8825	End	9390
Name	OJ990916_15.9B22.C19.o1.np	Method	AAT/NAP
Start	8825	End	9390
GI	548493	Score	403
Exons	8825..9390		
GI Descrip.	EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) gi|629854|pir||S30067 polygalacturonase - maize gi|288612|emb|CAA47052| (X66422) polygalacturonase [Zea mays]		

Seq. No.	19726	Seq. ID	OJ990916_15.9B22.C19
Gene No.	41186	Strand	-
Start	1597	End	5527
Name	OJ990916_15.9B22.C19.o2.gs	Method	GENSCAN
Start	1597	End	5527
GI	none	Score	.62
Exons	1597..1828, 2172..2311, 4829..4883, 4904..5042, 5443..5527		

Seq. No.	19726	Seq. ID	OJ990916_15.9B22.C19
Gene No.	41187	Strand	-
Start	6363	End	7614
Name	OJ990916_15.9B22.C19.o3.gs	Method	GENSCAN
Start	6363	End	7614
GI	none	Score	.94
Exons	6363..6919, 7563..7614		

Seq. No.	19726	Seq. ID	OJ990916_15.9B22.C19
Gene No.	41188	Strand	-
Start	8945	End	9316
Name	OJ990916_15.9B22.C19.o4.gs	Method	GENSCAN
Start	8945	End	9316
GI	none	Score	.81

Exons	8945..9316		
Seq. No.	19726	Seq. ID	OJ990916_15.9B22.C19
Gene No.	41188	Strand	-
Start	8945	End	9316
Name	OJ990916_15.9B22.C19.o1.tm	Method	TBLASTX:Maize
Start	8972	End	9304
GI	none	Score	232
Exons	8972..9157, 8998..9189, 8999..9172, 9176..9304, 9178..9303		
Seq. No.	19726	Seq. ID	OJ990916_15.9B22.C19
Gene No.	41188	Strand	-
Start	8945	End	9316
Name	OJ990916_15.9B22.C19.o1.tw	Method	TBLASTX:Wheat
Start	9034	End	9313
GI	none	Score	290
Exons	9034..9303, 9035..9304, 9116..9313		
Seq. No.	19727	Seq. ID	OJ990916_15.9B22.C20
Gene No.	41189	Strand	+
Start	1	End	5707
Name	OJ990916_15.9B22.C20.o1.np	Method	AAT/NAP
Start	1	End	276
GI	548493	Score	334
Exons	1..276		
GI Descrip.	EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) gi|629854|pir||S30067 polygalacturonase - maize gi|288612|emb|CAA47052| (X66422) polygalacturonase [Zea mays]		
Seq. No.	19727	Seq. ID	OJ990916_15.9B22.C20
Gene No.	41189	Strand	+
Start	1	End	5707
Name	OJ990916_15.9B22.C20.o2.np	Method	AAT/NAP
Start	1	End	5707
GI	5852175	Score	154
Exons	1..91, 3090..3261, 3836..3872, 4431..4544, 5176..5208, 5676..5707		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	19727	Seq. ID	OJ990916_15.9B22.C20
Gene No.	41189	Strand	+
Start	1	End	5707
Name	OJ990916_15.9B22.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	277
GI	none	Score	48
Exons	1..84, 2..91, 3..86, 85..117, 86..118, 117..263, 118..264, 118..264, 144..266, 155..277		
Seq. No.	19727	Seq. ID	OJ990916_15.9B22.C20
Gene No.	41189	Strand	+
Start	1	End	5707
Name	OJ990916_15.9B22.C20.o1.ts	Method	TBLASTX:Soybean
Start	3	End	261
GI	none	Score	57
Exons	3..44, 86..130, 117..251, 118..261		

Seq. No.	19727	Seq. ID	OJ990916_15.9B22.C20
Gene No.	41189	Strand	+
Start	1	End	5707
Name	OJ990916_15.9B22.C20.o1.gs	Method	GENSCAN
Start	18	End	3913
GI	none	Score	.57
Exons	18..123, 143..308, 2851..3043, 3069..3270, 3304..3384, 3861..3913		

Seq. No.	19727	Seq. ID	OJ990916_15.9B22.C20
Gene No.	41189	Strand	+
Start	1	End	5707
Name	OJ990916_15.9B22.C20.o2.gp	Method	AAT/GAP
Start	4453	End	5707
GI	4107138	Score	1461
Exons	4453..5366, 5693..5707		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	19728	Seq. ID	OJ990916_15.9B22.C21
Gene No.	41190	Strand	-
Start	1	End	690
Name	OJ990916_15.9B22.C21.o1.gp	Method	AAT/GAP
Start	1	End	690
GI	none	Score	460
Exons	1..27, 478..690		

Seq. No.	19728	Seq. ID	OJ990916_15.9B22.C21
Gene No.	41190	Strand	-
Start	1	End	690
Name	OJ990916_15.9B22.C21.o1.gs	Method	GENSCAN
Start	515	End	566
GI	none	Score	.93
Exons	515..566		

Seq. No.	19729	Seq. ID	OJ990916_15.9B22.C22
Gene No.	41191	Strand	-
Start	452	End	543
Name	OJ990916_15.9B22.C22.o1.gs	Method	GENSCAN
Start	452	End	543
GI	none	Score	.76
Exons	452..543		

Seq. No.	19730	Seq. ID	OJ990916_15.9B22.C23
Gene No.	41192	Strand	-
Start	210	End	562
Name	OJ990916_15.9B22.C23.o1.gp	Method	AAT/GAP
Start	100	End	562
GI	none	Score	886
Exons	100..562		

Seq. No.	19730	Seq. ID	OJ990916_15.9B22.C23
Gene No.	41192	Strand	-
Start	210	End	562
Name	OJ990916_15.9B22.C23.o1.gs	Method	GENSCAN
Start	210	End	531
GI	none	Score	.78

Exons	210..531		
Seq. No.	19731	Seq. ID	OJ990916_15.9B22.C24
Gene No.	41193	Strand	-
Start	48	End	337
Name	OJ990916_15.9B22.C24.o1.gs	Method	GENSCAN
Start	48	End	337
GI	none	Score	.79
Exons	48..68, 126..337		
Seq. No.	19732	Seq. ID	OJ990916_15.9B22.C27
Gene No.	41194	Strand	-
Start	1	End	407
Name	OJ990916_15.9B22.C27.o1.np	Method	AAT/NAP
Start	1	End	407
GI	6466937	Score	440
Exons	1..407		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	19732	Seq. ID	OJ990916_15.9B22.C27
Gene No.	41194	Strand	-
Start	1	End	407
Name	OJ990916_15.9B22.C27.o1.tw	Method	TBLASTX:Wheat
Start	2	End	254
GI	none	Score	112
Exons	2..253, 3..254		
Seq. No.	19732	Seq. ID	OJ990916_15.9B22.C27
Gene No.	41194	Strand	-
Start	1	End	407
Name	OJ990916_15.9B22.C27.o1.tm	Method	TBLASTX:Maize
Start	38	End	362
GI	none	Score	123
Exons	38..358, 68..355, 177..362		
Seq. No.	19732	Seq. ID	OJ990916_15.9B22.C27
Gene No.	41194	Strand	-
Start	1	End	407
Name	OJ990916_15.9B22.C27.o1.gs	Method	GENSCAN
Start	64	End	214
GI	none	Score	.62
Exons	64..214		
Seq. No.	19733	Seq. ID	OJ990916_15.9B22.C28
Gene No.	41195	Strand	+
Start	77	End	219
Name	OJ990916_15.9B22.C28.o1.gs	Method	GENSCAN
Start	77	End	219
GI	none	Score	.92
Exons	77..219		
Seq. No.	19734	Seq. ID	OJ990916_15.9B22.C29
Gene No.	41196	Strand	+
Start	1	End	616
Name	OJ990916_15.9B22.C29.o1.np	Method	AAT/NAP
Start	1	End	616

GI	4680203	Score	253
Exons	1..616		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19734	Seq. ID	OJ990916_15.9B22.C29
Gene No.	41196	Strand	+
Start	1	End	616
Name	OJ990916_15.9B22.C29.o1.gs	Method	GENSCAN
Start	37	End	592
GI	none	Score	.97
Exons	37..592		

Seq. No.	19734	Seq. ID	OJ990916_15.9B22.C29
Gene No.	41196	Strand	+
Start	1	End	616
Name	OJ990916_15.9B22.C29.o1.tw	Method	TBLASTX:Wheat
Start	39	End	486
GI	none	Score	134
Exons	39..188, 46..201, 190..294, 220..276, 307..411, 312..404, 418..486		

Seq. No.	19735	Seq. ID	OJ990916_15.9B22.C30
Gene No.	41197	Strand	+
Start	1	End	250
Name	OJ990916_15.9B22.C30.o1.np	Method	AAT/NAP
Start	1	End	250
GI	5091603	Score	118
Exons	1..77, 197..250		
GI Descrip.	(AC007858) 10A19I.7 [Oryza sativa]		

Seq. No.	19736	Seq. ID	OJ990916_15.9B22.C31
Gene No.	41198	Strand	+
Start	1	End	408
Name	OJ990916_15.9B22.C31.o1.np	Method	AAT/NAP
Start	1	End	340
GI	5911167	Score	305
Exons	1..340		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	19736	Seq. ID	OJ990916_15.9B22.C31
Gene No.	41198	Strand	+
Start	1	End	408
Name	OJ990916_15.9B22.C31.o1.tm	Method	TBLASTX:Maize
Start	120	End	408
GI	none	Score	55
Exons	120..170, 163..408, 164..406		

Seq. No.	19737	Seq. ID	OJ990916_15.9B22.C33
Gene No.	41199	Strand	+
Start	131	End	309
Name	OJ990916_15.9B22.C33.o1.gs	Method	GENSCAN
Start	131	End	309
GI	none	Score	.7
Exons	131..309		

Seq. No.	19738	Seq. ID	OJ990916_15.9B22.C34
Gene No.	41200	Strand	+

Start	141	End	227
Name	OJ990916_15.9B22.C34.o1.gs	Method	GENSCAN
Start	141	End	227
GI	none	Score	.47
Exons	141..227		

Seq. No.	19738	Seq. ID	OJ990916_15.9B22.C34
Gene No.	41201	Strand	+
Start	523	End	589
Name	OJ990916_15.9B22.C34.o1.gp	Method	AAT/GAP
Start	523	End	589
GI	LIB3477-003-P1-K1-E9	Score	81
Exons	523..589		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19739	Seq. ID	OJ990916_15.9B22.C35
Gene No.	41202	Strand	+
Start	1	End	374
Name	OJ990916_15.9B22.C35.o1.np	Method	AAT/NAP
Start	1	End	374
GI	4760704	Score	138
Exons	1..199, 301..374		
GI Descrip.	(AB024439) peroxidase 3 [Scutellaria baicalensis]		

Seq. No.	19739	Seq. ID	OJ990916_15.9B22.C35
Gene No.	41202	Strand	+
Start	1	End	374
Name	OJ990916_15.9B22.C35.o1.gs	Method	GENSCAN
Start	17	End	199
GI	none	Score	.98
Exons	17..199		

Seq. No.	19739	Seq. ID	OJ990916_15.9B22.C35
Gene No.	41202	Strand	+
Start	1	End	374
Name	OJ990916_15.9B22.C35.o1.tm	Method	TBLASTX:Maize
Start	62	End	374
GI	none	Score	176
Exons	62..214, 88..207, 298..339, 300..332, 346..372, 348..374		

Seq. No.	19740	Seq. ID	OJ990916_15.9B22.C37
Gene No.	41203	Strand	-
Start	1	End	647
Name	OJ990916_15.9B22.C37.o1.np	Method	AAT/NAP
Start	1	End	647
GI	5852093	Score	44
Exons	1..22, 167..334, 609..647		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19741	Seq. ID	OJ990916_15.9B22.C40
Gene No.	41204	Strand	+
Start	1364	End	1572
Name	OJ990916_15.9B22.C40.o1.gp	Method	AAT/GAP
Start	1364	End	1572
GI	3683_1.R1084	Score	177

Exons	1364..1504, 1539..1572		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	19742	Seq. ID	OJ990916_15.9B22.C41
Gene No.	41205	Strand	-
Start	31	End	248
Name	OJ990916_15.9B22.C41.o1.gs	Method	GENSCAN
Start	31	End	248
GI	none	Score	.59
Exons	31..185, 195..248		

Seq. No.	19743	Seq. ID	OJ990916_15.9B22.C42
Gene No.	41206	Strand	-
Start	1	End	323
Name	OJ990916_15.9B22.C42.o1.np	Method	AAT/NAP
Start	1	End	323
GI	2191136	Score	317
Exons	1..323		
GI Descrip.	(AF007269) Similar to UTP-Glucose Glucosyltransferase; coded for by A. thaliana cDNA T46230; coded for by A. thaliana cDNA H76538; coded for by A. thaliana cDNA H76290 [Arabidopsis thaliana]		

Seq. No.	19743	Seq. ID	OJ990916_15.9B22.C42
Gene No.	41206	Strand	-
Start	1	End	323
Name	OJ990916_15.9B22.C42.o1.gs	Method	GENSCAN
Start	14	End	301
GI	none	Score	.79
Exons	14..301		

Seq. No.	19743	Seq. ID	OJ990916_15.9B22.C42
Gene No.	41206	Strand	-
Start	1	End	323
Name	OJ990916_15.9B22.C42.o1.ts	Method	TBLASTX:Soybean
Start	17	End	314
GI	none	Score	192
Exons	17..313, 30..314		

Seq. No.	19743	Seq. ID	OJ990916_15.9B22.C42
Gene No.	41206	Strand	-
Start	1	End	323
Name	OJ990916_15.9B22.C42.o1.tw	Method	TBLASTX:Wheat
Start	45	End	311
GI	none	Score	145
Exons	45..311, 59..289		

Seq. No.	19743	Seq. ID	OJ990916_15.9B22.C42
Gene No.	41206	Strand	-
Start	1	End	323
Name	OJ990916_15.9B22.C42.o1.tc	Method	TBLASTX:Cress
Start	50	End	314
GI	none	Score	211
Exons	50..310, 51..314		

Seq. No.	19743	Seq. ID	OJ990916_15.9B22.C42

Gene No.	41206	Strand	-
Start	1	End	323
Name	OJ990916_15.9B22.C42.o1.tm	Method	TBLASTX:Maize
Start	59	End	307
GI	none	Score	218
Exons	59..307, 60..293		

Seq. No.	19744	Seq. ID	OJ990916_15.9B22.C43
Gene No.	41207	Strand	+
Start	120	End	287
Name	OJ990916_15.9B22.C43.o1.gs	Method	GENSCAN
Start	120	End	287
GI	none	Score	.95
Exons	120..287		

Seq. No.	19745	Seq. ID	OJ990916_15.9B22.C44
Gene No.	41208	Strand	+
Start	108	End	278
Name	OJ990916_15.9B22.C44.o1.gs	Method	GENSCAN
Start	108	End	278
GI	none	Score	.76
Exons	108..166, 204..278		

Seq. No.	19746	Seq. ID	OJ990916_15.9B22.C45
Gene No.	41209	Strand	+
Start	106	End	180
Name	OJ990916_15.9B22.C45.o1.gs	Method	GENSCAN
Start	106	End	180
GI	none	Score	.71
Exons	106..180		

Seq. No.	19747	Seq. ID	OJ990916_15.9B22.C48
Gene No.	41210	Strand	-
Start	584	End	1507
Name	OJ990916_15.9B22.C48.o1.np	Method	AAT/NAP
Start	572	End	1507
GI	2191136	Score	652
Exons	572..1507		
GI Descrip.	(AF007269) Similar to UTP-Glucose Glucosyltransferase; coded for by A. thaliana cDNA T46230; coded for by A. thaliana cDNA H76538; coded for by A. thaliana cDNA H76290 [Arabidopsis thaliana]		

Seq. No.	19747	Seq. ID	OJ990916_15.9B22.C48
Gene No.	41210	Strand	-
Start	584	End	1507
Name	OJ990916_15.9B22.C48.o1.gs	Method	GENSCAN
Start	584	End	1420
GI	none	Score	.76
Exons	584..1420		

Seq. No.	19747	Seq. ID	OJ990916_15.9B22.C48
Gene No.	41210	Strand	-
Start	584	End	1507
Name	OJ990916_15.9B22.C48.o1.tw	Method	TBLASTX:Wheat
Start	764	End	1157
GI	none	Score	148

Exons	764..1036, 786..1037, 1044..1157, 1103..1156		
Seq. No.	19747	Seq. ID	OJ990916_15.9B22.C48
Gene No.	41210	Strand	-
Start	584	End	1507
Name	OJ990916_15.9B22.C48.o1.tc	Method	TBLASTX:Cress
Start	786	End	1414
GI	none	Score	178
Exons	786..1052, 809..1063, 1095..1226, 1097..1267, 1283..1312, 1284..1313, 1328..1414		
Seq. No.	19747	Seq. ID	OJ990916_15.9B22.C48
Gene No.	41210	Strand	-
Start	584	End	1507
Name	OJ990916_15.9B22.C48.o1.tm	Method	TBLASTX:Maize
Start	803	End	1387
GI	none	Score	207
Exons	803..1054, 813..1052, 1039..1131, 1095..1229, 1097..1270, 1136..1252, 1144..1200, 1281..1379, 1283..1315, 1319..1387		
Seq. No.	19747	Seq. ID	OJ990916_15.9B22.C48
Gene No.	41210	Strand	-
Start	584	End	1507
Name	OJ990916_15.9B22.C48.o1.ts	Method	TBLASTX:Soybean
Start	812	End	1507
GI	none	Score	175
Exons	812..1273, 813..1052, 1095..1223, 1250..1306, 1337..1507, 1341..1388		
Seq. No.	19748	Seq. ID	OJ990916_15.9B22.C50
Gene No.	41211	Strand	+
Start	447	End	653
Name	OJ990916_15.9B22.C50.o1.gs	Method	GENSCAN
Start	447	End	653
GI	none	Score	.65
Exons	447..653		
Seq. No.	19749	Seq. ID	OJ990916_15.9B22.C51
Gene No.	41212	Strand	-
Start	1	End	227
Name	OJ990916_15.9B22.C51.o1.np	Method	AAT/NAP
Start	1	End	227
GI	3395442	Score	125
Exons	1..227		
GI Descrip.	(AC004683) unknown protein [Arabidopsis thaliana]		
Seq. No.	19749	Seq. ID	OJ990916_15.9B22.C51
Gene No.	41212	Strand	-
Start	1	End	227
Name	OJ990916_15.9B22.C51.o1.gs	Method	GENSCAN
Start	33	End	172
GI	none	Score	.97
Exons	33..172		
Seq. No.	19750	Seq. ID	OJ990916_15.9B22.C53
Gene No.	41213	Strand	+
Start	491	End	1895

Name	OJ990916_15.9B22.C53.o1.np	Method	AAT/NAP
Start	491	End	1895
GI	6735381	Score	329
Exons	491..580, 999..1099, 1277..1578, 1810..1895		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	19750	Seq. ID	OJ990916_15.9B22.C53
Gene No.	41214	Strand	+
Start	1819	End	1895
Name	OJ990916_15.9B22.C53.o1.tm	Method	TBLASTX:Maize
Start	501	End	1895
GI	none	Score	112
Exons	501..587, 1301..1396, 1305..1409, 1463..1579, 1470..1580, 1802..1891, 1808..1894, 1809..1895		

Seq. No.	19750	Seq. ID	OJ990916_15.9B22.C53
Gene No.	41214	Strand	+
Start	1819	End	1895
Name	OJ990916_15.9B22.C53.o2.gp	Method	AAT/GAP
Start	1819	End	1895
GI	58088_1.R1084	Score	154
Exons	1819..1895		
GI Descrip.	'3201626 4.0e-62 (AC004669) putative protein kinase MAP3K [Arabidopsis thaliana]'		

Seq. No.	19751	Seq. ID	OJ990916_15.9B22.C54
Gene No.	41215	Strand	-
Start	24	End	350
Name	OJ990916_15.9B22.C54.o1.gs	Method	GENSCAN
Start	24	End	350
GI	none	Score	.76
Exons	24..350		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41216	Strand	+
Start	1275	End	2559
Name	OJ990816_10.9B24.C1.o1.gs	Method	GENSCAN
Start	1275	End	2559
GI	none	Score	.8
Exons	1275..1401, 2359..2559		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41217	Strand	+
Start	6977	End	9027
Name	OJ990816_10.9B24.C1.o3.gs	Method	GENSCAN
Start	6977	End	9027
GI	none	Score	.9
Exons	6977..7107, 7308..7463, 7684..7866, 7947..8128, 8340..8473, 8560..9027		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41217	Strand	+
Start	6977	End	9027
Name	OJ990816_10.9B24.C1.o1.np	Method	AAT/NAP
Start	7945	End	8890
GI	6553927	Score	434
Exons	7945..8128, 8355..8473, 8560..8890		

GI Descrip.	(AC012329) putative alpha NAC [Arabidopsis thaliana] gi|6561948|emb|CAB62452.1| (AL132964) alpha NAC-like protein [Arabidopsis thaliana]		
Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41217	Strand	+
Start	6977	End	9027
Name	OJ990816_10.9B24.C1.o3.gp	Method	AAT/GAP
Start	8322	End	8957
GI	LIB3433-043-P1-K1-E4	Score	647
Exons	8322..8473, 8560..8819, 8932..8957		
GI Descrip.	'4115918 1.0e-31 (AF118222) similar to nascent polypeptide associated complex alpha chain [Arabidopsis thaliana]'		
Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41218	Strand	+
Start	14756	End	16805
Name	OJ990816_10.9B24.C1.o5.gs	Method	GENSCAN
Start	14756	End	16805
GI	none	Score	.57
Exons	14756..16003, 16619..16734, 16745..16805		
Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41218	Strand	+
Start	14756	End	16805
Name	OJ990816_10.9B24.C1.o3.np	Method	AAT/NAP
Start	14774	End	15871
GI	3298539	Score	585
Exons	14774..15871		
GI Descrip.	(AC004681) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41219	Strand	+
Start	18584	End	19631
Name	OJ990816_10.9B24.C1.o7.gs	Method	GENSCAN
Start	18584	End	19631
GI	none	Score	.67
Exons	18584..18803, 19450..19631		
Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41220	Strand	-
Start	3487	End	4574
Name	OJ990816_10.9B24.C1.o1.gp	Method	AAT/GAP
Start	3333	End	4192
GI	none	Score	1429
Exons	3333..3944, 4039..4192		
Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41220	Strand	-
Start	3487	End	4574
Name	OJ990816_10.9B24.C1.o2.gs	Method	GENSCAN
Start	3487	End	4574
GI	none	Score	.88
Exons	3487..3944, 4251..4312, 4522..4574		
Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41221	Strand	-

Start	9166	End	9538
Name	OJ990816_10.9B24.C1.o2.np	Method	AAT/NAP
Start	9166	End	9538
GI	5777617	Score	65
Exons	9166..9211, 9487..9538		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41222	Strand	-
Start	10492	End	14477
Name	OJ990816_10.9B24.C1.o4.gs	Method	GENSCAN
Start	10492	End	14477
GI	none	Score	.56
Exons	10492..10519, 10847..10989, 12400..12795, 13031..13153, 13917..14021, 14260..14331, 14448..14477		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o3.tw	Method	TBLASTX:Wheat
Start	6466	End	6777
GI	none	Score	160
Exons	6466..6657, 6471..6656, 6649..6777		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o3.tm	Method	TBLASTX:Maize
Start	8341	End	8832
GI	none	Score	97
Exons	8341..8472, 8404..8472, 8405..8476, 8560..8583, 8586..8831, 8587..8832		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o2.tw	Method	TBLASTX:Wheat
Start	8356	End	8832
GI	none	Score	68
Exons	8356..8472, 8404..8472, 8405..8476, 8560..8583, 8586..8723, 8587..8718, 8758..8832		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o2.tc	Method	TBLASTX:Cress
Start	8404	End	8832
GI	none	Score	99
Exons	8404..8472, 8405..8476, 8560..8583, 8586..8831, 8587..8832		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o2.ts	Method	TBLASTX:Soybean
Start	8404	End	8826
GI	none	Score	100
Exons	8404..8472, 8405..8476, 8548..8583, 8586..8699, 8587..8721,		

8587..8706, 8758..8826, 8772..8825

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o1.tw	Method	TBLASTX:Wheat
Start	14726	End	15112
GI	none	Score	171
Exons	14726..14962, 14747..14770, 14819..14869, 14914..14961, 14965..15111, 14966..15112		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o1.tm	Method	TBLASTX:Maize
Start	15013	End	15457
GI	none	Score	213
Exons	15013..15225, 15038..15211, 15179..15355, 15217..15390, 15218..15358, 15358..15456, 15359..15457		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o1.tc	Method	TBLASTX:Cress
Start	15017	End	15565
GI	none	Score	140
Exons	15017..15211, 15235..15267, 15239..15280, 15292..15378, 15293..15379, 15364..15519, 15374..15565		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o1.ts	Method	TBLASTX:Soybean
Start	15017	End	15526
GI	none	Score	139
Exons	15017..15223, 15100..15222, 15239..15268, 15298..15378, 15299..15379, 15367..15519, 15374..15526		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o2.tm	Method	TBLASTX:Maize
Start	15473	End	15961
GI	none	Score	79
Exons	15473..15541, 15484..15540, 15574..15705, 15575..15751, 15665..15751, 15717..15887, 15785..15961, 15785..15892, 15795..15917		

Seq. No.	19752	Seq. ID	OJ990816_10.9B24.C1
Gene No.	41223	Strand	-
Start	16967	End	17980
Name	OJ990816_10.9B24.C1.o6.gs	Method	GENSCAN
Start	16967	End	17980
GI	none	Score	.4
Exons	16967..17418, 17566..17980		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2

Gene No.	41224	Strand	+
Start	556	End	623
Name	OJ990816_10.9B24.C2.o1.gs	Method	GENSCAN
Start	556	End	623
GI	none	Score	.91
Exons	556..623		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41225	Strand	+
Start	3474	End	8703
Name	OJ990816_10.9B24.C2.o2.gs	Method	GENSCAN
Start	3474	End	7484
GI	none	Score	.83
Exons	3474..3553, 4091..4271, 4502..4639, 5729..5944, 6204..7484		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41225	Strand	+
Start	3474	End	8703
Name	OJ990816_10.9B24.C2.o1.np	Method	AAT/NAP
Start	6366	End	8703
GI	4455212	Score	541
Exons	6366..7213, 8662..8703		
GI Descrip.	(AL035440) putative NPK1-related protein kinase [Arabidopsis thaliana]		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41225	Strand	+
Start	3474	End	8703
Name	OJ990816_10.9B24.C2.o2.gp	Method	AAT/GAP
Start	7309	End	7609
GI	LIB3433-030-P1-K1-D10	Score	564
Exons	7309..7609		
GI Descrip.	'5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]'		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o1.tw	Method	TBLASTX:Wheat
Start	6353	End	13329
GI	none	Score	143
Exons	6353..6472, 6354..6473, 6422..6613, 6498..6569, 6572..6712, 6582..6713, 6642..6713, 12503..12643, 12980..13111, 12981..13112, 12986..13195, 13115..13318, 13124..13192, 13174..13329		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o2.tm	Method	TBLASTX:Maize
Start	6401	End	13336
GI	none	Score	219
Exons	6401..6613, 6402..6614, 13079..13255, 13080..13160, 13082..13240, 13240..13290, 13256..13291, 13277..13336, 13291..13320		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2

Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o1.tc	Method	TBLASTX:Cress
Start	6594	End	19852
GI	none	Score	48
Exons	6594..6650, 6650..6826, 6651..6818, 6812..6874, 6813..7127, 6896..7081, 12564..12785, 12565..12777, 12819..12854, 12851..13042, 12882..13049, 13064..13099, 19645..19851, 19649..19852		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o1.ts	Method	TBLASTX:Soybean
Start	6594	End	19851
GI	none	Score	150
Exons	6594..6812, 6617..6802, 6840..6875, 6894..7019, 6894..6968, 7014..7127, 12564..12677, 12723..12785, 12818..12853, 12875..13099, 19645..19758, 19655..19759, 19804..19851, 19813..19848		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o1.tm	Method	TBLASTX:Maize
Start	6614	End	19852
GI	none	Score	42
Exons	6614..6826, 6615..6653, 6639..6827, 6801..6956, 6830..6991, 6831..6959, 6905..6970, 6958..7056, 6959..7057, 6960..7058, 12633..12731, 12634..12732, 12700..12789, 12731..12793, 12732..12785, 12735..12800, 12803..12874, 12804..12887, 12881..13057, 12882..13079, 13040..13078, 19714..19812, 19715..19813, 19799..19852		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o3.tm	Method	TBLASTX:Maize
Start	7076	End	19689
GI	none	Score	51
Exons	7076..7129, 7085..7129, 7086..7133, 7168..7197, 7174..7212, 7176..7295, 7212..7403, 7242..7343, 12346..12426, 12357..12446, 12357..12434, 12492..12515, 12494..12625, 12558..12617, 12562..12606, 19178..19348, 19378..19554, 19426..19554, 19540..19596, 19542..19601, 19639..19689, 19643..19687		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o2.tw	Method	TBLASTX:Wheat
Start	7144	End	19641
GI	none	Score	100
Exons	7144..7197, 7170..7241, 7230..7355, 7262..7354, 7424..7492, 12321..12434, 12322..12426, 19399..19560, 19400..19480, 19417..19506, 19434..19490, 19474..19641, 19546..19608		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2

Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o3.gs	Method	GENSCAN
Start	10625	End	19839
GI	none	Score	.56
Exons	10625..10678, 10899..10993, 11410..11506, 12108..12758, 12827..13222, 13306..13487, 13571..13751, 14033..14227, 17421..17468, 17768..17893, 19246..19839		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o2.np	Method	AAT/NAP
Start	10987	End	13326
GI	4455212	Score	514
Exons	10987..11058, 12461..13326		
GI Descrip.	(AL035440) putative NPK1-related protein kinase [Arabidopsis thaliana]		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o3.gp	Method	AAT/GAP
Start	13111	End	13396
GI	427983	Score	533
Exons	13111..13396		

Seq. No.	19753	Seq. ID	OJ990816_10.9B24.C2
Gene No.	41226	Strand	-
Start	10625	End	19852
Name	OJ990816_10.9B24.C2.o3.np	Method	AAT/NAP
Start	18224	End	19852
GI	3688191	Score	155
Exons	18224..18257, 19606..19852		
GI Descrip.	(AJ010090) MAP3K alpha protein kinase [Arabidopsis thaliana]		

Seq. No.	19754	Seq. ID	OJ990816_10.9B24.C3
Gene No.	41227	Strand	+
Start	8049	End	15232
Name	OJ990816_10.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	240
GI	none	Score	124
Exons	1..210, 2..94, 211..240		

Seq. No.	19754	Seq. ID	OJ990816_10.9B24.C3
Gene No.	41227	Strand	+
Start	8049	End	15232
Name	OJ990816_10.9B24.C3.o1.gp	Method	AAT/GAP
Start	7942	End	9029
GI	5038579	Score	1304
Exons	7942..8175, 8359..8578, 8669..8714, 8820..9029		
GI Descrip.	5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		

Seq. No.	19754	Seq. ID	OJ990816_10.9B24.C3
Gene No.	41227	Strand	+
Start	8049	End	15232

Name	OJ990816_10.9B24.C3.o3.tm	Method	TBLASTX:Maize
Start	8044	End	8177
GI	none	Score	207
Exons	8044..8091, 8045..8176, 8046..8177		

Seq. No.	19754	Seq. ID	OJ990816_10.9B24.C3
Gene No.	41227	Strand	+
Start	8049	End	15232
Name	OJ990816_10.9B24.C3.o2.gs	Method	GENSCAN
Start	8049	End	15232
GI	none	Score	.81
Exons	8049..8175, 8359..8578, 8669..8714, 8820..8893, 9261..9395, 10102..10145, 15141..15232		

Seq. No.	19754	Seq. ID	OJ990816_10.9B24.C3
Gene No.	41227	Strand	+
Start	8049	End	15232
Name	OJ990816_10.9B24.C3.o1.np	Method	AAT/NAP
Start	8052	End	9549
GI	5042452	Score	410
Exons	8052..8175, 8359..8578, 8669..8718, 8773..8893, 9501..9549		
GI Descrip.	(AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		

Seq. No.	19754	Seq. ID	OJ990816_10.9B24.C3
Gene No.	41227	Strand	+
Start	8049	End	15232
Name	OJ990816_10.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	8391	End	8582
GI	none	Score	48
Exons	8391..8423, 8391..8582, 8485..8520, 8490..8579, 8522..8581		

Seq. No.	19755	Seq. ID	OJ990816_10.9B24.C4
Gene No.	41228	Strand	+
Start	218	End	446
Name	OJ990816_10.9B24.C4.o1.gs	Method	GENSCAN
Start	218	End	446
GI	none	Score	.83
Exons	218..446		

Seq. No.	19756	Seq. ID	OJ990816_10.9B24.C5
Gene No.	41229	Strand	+
Start	983	End	1228
Name	OJ990816_10.9B24.C5.o1.gp	Method	AAT/GAP
Start	983	End	1228
GI	38467_1.R1084	Score	488
Exons	983..1228		
GI Descrip.	'5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]'		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o1.gp	Method	AAT/GAP
Start	80	End	3083
GI	none	Score	1853
Exons	80..189, 2226..3083		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o1.gs	Method	GENSCAN
Start	82	End	10331
GI	none	Score	.61
Exons	82..189, 2661..2749, 3388..3511, 3807..3925, 4055..4091, 4172..4391, 4564..4722, 4838..4957, 6096..6263, 7161..7247, 7336..7425, 7768..7884, 7952..8035, 8592..10331		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o2.np	Method	AAT/NAP
Start	1339	End	10531
GI	2244793	Score	2060
Exons	1339..1391, 7142..7247, 7523..7609, 7768..7905, 8625..8921, 8973..9957, 10003..10531		
GI Descrip.	(Z97336) disease resistance N like protein [Arabidopsis thaliana]		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o2.tm	Method	TBLASTX:Maize
Start	3823	End	4396
GI	none	Score	85
Exons	3823..3957, 3841..3921, 3876..3947, 4014..4091, 4051..4092, 4106..4294, 4173..4313, 4176..4295, 4292..4396, 4293..4394		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o2.gp	Method	AAT/GAP
Start	3844	End	5608
GI	53424_1.R1084	Score	1938
Exons	3844..3925, 4055..4091, 4172..4391, 4564..4722, 4838..4896, 5133..5608		
GI Descrip.	'4455244/emb|CAB36743.1| 1.0e-20 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o3.ts	Method	TBLASTX:Soybean
Start	3909	End	5310
GI	none	Score	37
Exons	3909..3926, 4051..4092, 4175..4396, 4176..4421, 4561..4722, 4841..4960, 4861..4959, 5084..5122, 5085..5156, 5284..5310		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o1.np	Method	AAT/NAP
Start	4155	End	6136
GI	4539359	Score	215

Exons	4155..4394, 4570..4735, 4842..4957, 5082..5159, 6029..6136		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		
Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o2.tc	Method	TBLASTX:Cress
Start	4172	End	4424
GI	none	Score	227
Exons	4172..4408, 4176..4424, 4179..4421		
Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o3.tc	Method	TBLASTX:Cress
Start	4561	End	5186
GI	none	Score	100
Exons	4561..4722, 4841..4957, 4843..4950, 5084..5176, 5085..5186		
Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o4.ts	Method	TBLASTX:Soybean
Start	7190	End	8963
GI	none	Score	52
Exons	7190..7243, 7200..7244, 7335..7418, 7336..7425, 7523..7612, 7540..7608, 7768..7830, 8820..8864, 8883..8963		
Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o1.tm	Method	TBLASTX:Maize
Start	8897	End	9986
GI	none	Score	721
Exons	8897..9031, 8898..9491, 8913..9101, 9086..9493, 9468..9668, 9533..9604, 9570..9725, 9762..9860, 9783..9986, 9783..9980, 9798..9980		
Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o1.tc	Method	TBLASTX:Cress
Start	8910	End	9980
GI	none	Score	71
Exons	8910..9062, 8964..9065, 9018..9191, 9120..9200, 9246..9386, 9282..9320, 9315..9482, 9438..9884, 9440..9853, 9574..9882, 9828..9980		
Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o1.ts	Method	TBLASTX:Soybean
Start	8964	End	10017
GI	none	Score	155
Exons	8964..9161, 8967..9062, 9015..9203, 9120..9200, 9246..9482, 9336..9461, 9501..9812, 9525..10016, 9527..9853, 9625..9882, 9784..10017, 9837..10016		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o3.tm	Method	TBLASTX:Maize
Start	9987	End	10198
GI	none	Score	319
Exons	9987..10196, 9989..10198		

Seq. No.	19757	Seq. ID	OJ990816_10.9B24.C6
Gene No.	41230	Strand	+
Start	80	End	10531
Name	OJ990816_10.9B24.C6.o2.ts	Method	TBLASTX:Soybean
Start	10020	End	10416
GI	none	Score	281
Exons	10020..10223, 10028..10189, 10212..10310, 10378..10416		

Seq. No.	19758	Seq. ID	OJ990816_10.9B24.C8
Gene No.	41231	Strand	+
Start	1	End	636
Name	OJ990816_10.9B24.C8.o1.np	Method	AAT/NAP
Start	1	End	636
GI	6498441	Score	1025
Exons	1..636		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19758	Seq. ID	OJ990816_10.9B24.C8
Gene No.	41232	Strand	-
Start	174	End	611
Name	OJ990816_10.9B24.C8.o1.tm	Method	TBLASTX:Maize
Start	121	End	463
GI	none	Score	46
Exons	121..171, 170..460, 171..452, 266..463		

Seq. No.	19758	Seq. ID	OJ990816_10.9B24.C8
Gene No.	41232	Strand	-
Start	174	End	611
Name	OJ990816_10.9B24.C8.o1.gs	Method	GENSCAN
Start	174	End	371
GI	none	Score	.68
Exons	174..371		

Seq. No.	19758	Seq. ID	OJ990816_10.9B24.C8
Gene No.	41232	Strand	-
Start	174	End	611
Name	OJ990816_10.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	257	End	611
GI	none	Score	360
Exons	257..313, 258..611, 359..607		

Seq. No.	19759	Seq. ID	OJ990816_10.9B24.C9
Gene No.	41233	Strand	+
Start	160	End	296
Name	OJ990816_10.9B24.C9.o1.gs	Method	GENSCAN
Start	160	End	296

GI	none	Score	.93
Exons	160..296		
Seq. No.	19759	Seq. ID	OJ990816_10.9B24.C9
Gene No.	41234	Strand	-
Start	1	End	251
Name	OJ990816_10.9B24.C9.o1.np	Method	AAT/NAP
Start	1	End	251
GI	6539586	Score	378
Exons	1..251		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	19760	Seq. ID	OJ990816_10.9B24.C10
Gene No.	41235	Strand	+
Start	1	End	762
Name	OJ990816_10.9B24.C10.o1.np	Method	AAT/NAP
Start	1	End	762
GI	2244793	Score	73
Exons	1..43, 439..532, 613..762		
GI Descrip.	(Z97336) disease resistance N like protein [Arabidopsis thaliana]		
Seq. No.	19760	Seq. ID	OJ990816_10.9B24.C10
Gene No.	41235	Strand	+
Start	1	End	762
Name	OJ990816_10.9B24.C10.o1.gs	Method	GENSCAN
Start	99	End	532
GI	none	Score	.68
Exons	99..532		
Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41236	Strand	+
Start	7037	End	8986
Name	OJ990816_10.9B24.C11.o2.np	Method	AAT/NAP
Start	7037	End	8986
GI	5281044	Score	966
Exons	7037..7137, 7555..8392, 8528..8986		
GI Descrip.	(AL080318) flavonoid 3', 5'-hydroxylase like protein [Arabidopsis thaliana]		
Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41236	Strand	+
Start	7037	End	8986
Name	OJ990816_10.9B24.C11.o1.gp	Method	AAT/GAP
Start	7752	End	8103
GI	uC-osf1cyp005h08b1	Score	700
Exons	7752..8103		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		
Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41237	Strand	-
Start	416	End	3608
Name	OJ990816_10.9B24.C11.o1.gs	Method	GENSCAN
Start	416	End	3608
GI	none	Score	.79
Exons	416..535, 856..1149, 1236..1508, 1617..2027, 2171..2269,		

3600..3608

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41237	Strand	-
Start	416	End	3608
Name	OJ990816_10.9B24.C11.o1.np	Method	AAT/NAP
Start	814	End	2254
GI	4006915	Score	686
Exons	814..1149, 1236..1508, 1617..2027, 2171..2254		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41237	Strand	-
Start	416	End	3608
Name	OJ990816_10.9B24.C11.o2.ts	Method	TBLASTX:Soybean
Start	1081	End	1724
GI	none	Score	73
Exons	1081..1155, 1082..1153, 1236..1517, 1237..1515, 1662..1724		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41237	Strand	-
Start	416	End	3608
Name	OJ990816_10.9B24.C11.o2.tm	Method	TBLASTX:Maize
Start	1617	End	2245
GI	none	Score	65
Exons	1617..1724, 1770..1841, 1860..2033, 2162..2245, 2163..2237		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41238	Strand	
Start	7591	End	8986
Name	OJ990816_10.9B24.C11.o2.tc	Method	TBLASTX:Cress
Start	7591	End	8365
GI	none	Score	153
Exons	7591..7635, 7649..7831, 7649..7789, 7669..7833, 7829..7975, 7979..8089, 7987..8064, 8051..8365		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41238	Strand	
Start	7591	End	8986
Name	OJ990816_10.9B24.C11.o1.tm	Method	TBLASTX:Maize
Start	7626	End	8986
GI	none	Score	70
Exons	7626..7745, 8528..8896, 8538..8600, 8542..8895, 8630..8905, 8911..8985, 8912..8986		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41238	Strand	
Start	7591	End	8986
Name	OJ990816_10.9B24.C11.o1.ts	Method	TBLASTX:Soybean
Start	7637	End	8983
GI	none	Score	96
Exons	7637..7792, 7853..7951, 8078..8302, 8114..8263, 8131..8265, 8527..8748, 8528..8722, 8768..8983, 8770..8922, 8941..8973		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41238	Strand	
Start	7591	End	8986

Name	OJ990816_10.9B24.C11.o3.tm	Method	TBLASTX:Maize
Start	7876	End	8110
GI	none	Score	66
Exons	7876..7917, 7877..7921, 7907..7984, 7909..7980, 7966..8100, 7970..8080, 8084..8110		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41238	Strand	
Start	7591	End	8986
Name	OJ990816_10.9B24.C11.o4.tm	Method	TBLASTX:Maize
Start	8165	End	8392
GI	none	Score	123
Exons	8165..8293, 8165..8293, 8239..8376, 8303..8392, 8303..8386		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41238	Strand	
Start	7591	End	8986
Name	OJ990816_10.9B24.C11.o1.tc	Method	TBLASTX:Cress
Start	8534	End	8983
GI	none	Score	195
Exons	8534..8722, 8539..8886, 8627..8887, 8771..8887, 8863..8982, 8912..8983		

Seq. No.	19761	Seq. ID	OJ990816_10.9B24.C11
Gene No.	41238	Strand	
Start	7591	End	8986
Name	OJ990816_10.9B24.C11.o1.tw	Method	TBLASTX:Wheat
Start	8542	End	8827
GI	none	Score	186
Exons	8542..8802, 8543..8827		

Seq. No.	19762	Seq. ID	OJ990816_10.9B24.C12
Gene No.	41239	Strand	-
Start	1957	End	2223
Name	OJ990816_10.9B24.C12.o1.gp	Method	AAT/GAP
Start	1957	End	2223
GI	uC-osflcyp013a06b1	Score	190
Exons	1957..2083, 2189..2223		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41240	Strand	+
Start	1904	End	10763
Name	OJ990826_12.9B22.C1.o3.np	Method	AAT/NAP
Start	1904	End	10763
GI	1091678	Score	538
Exons	1904..2043, 4886..5752, 8584..9288, 10745..10763		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41240	Strand	+
Start	1904	End	10763
Name	OJ990826_12.9B22.C1.o1.gp	Method	AAT/GAP
Start	9362	End	9490
GI	3106685	Score	208
Exons	9362..9490		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41241	Strand	+
Start	11120	End	12687
Name	OJ990826_12.9B22.C1.o4.np	Method	AAT/NAP
Start	11120	End	12687
GI	6382514	Score	50
Exons	11120..11238, 12660..12687		
GI Descrip.	(AC010704) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41242	Strand	+
Start	13635	End	14321
Name	OJ990826_12.9B22.C1.o2.gp	Method	AAT/GAP
Start	13635	End	14321
GI	none	Score	1312
Exons	13635..14321		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41243	Strand	+
Start	21051	End	21467
Name	OJ990826_12.9B22.C1.o4.gp	Method	AAT/GAP
Start	21030	End	21467
GI	none	Score	865
Exons	21030..21467		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41243	Strand	+
Start	21051	End	21467
Name	OJ990826_12.9B22.C1.o4.gs	Method	GENSCAN
Start	21051	End	21454
GI	none	Score	.96
Exons	21051..21106, 21184..21454		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41244	Strand	+
Start	27008	End	27412
Name	OJ990826_12.9B22.C1.o5.gp	Method	AAT/GAP
Start	27008	End	27412
GI	uC-osf1cyp085d01a1	Score	798
Exons	27008..27412		
GI Descrip.	'5509944/dbj|BAA82510.1| 4.0e-13 (AB029896) esterase HDE [petroleum-degrading bacterium HD-1]'		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41245	Strand	+
Start	32677	End	33007
Name	OJ990826_12.9B22.C1.o7.gp	Method	AAT/GAP
Start	32677	End	33007
GI	69014_1.R1084	Score	601
Exons	32677..33007		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41246	Strand	+

Start	35156	End	36805
Name	OJ990826_12.9B22.C1.o8.gp	Method	AAT/GAP
Start	35156	End	36805
GI	2315_5.R1084	Score	426
Exons	35156..35211, 36552..36805		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41247	Strand	+
Start	38384	End	41471
Name	OJ990826_12.9B22.C1.o7.gs	Method	GENSCAN
Start	38384	End	41471
GI	none	Score	.68
Exons	38384..38465, 41113..41238, 41362..41471		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41248	Strand	+
Start	42306	End	42691
Name	OJ990826_12.9B22.C1.o8.np	Method	AAT/NAP
Start	42306	End	42691
GI	6523547	Score	51
Exons	42306..42691		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41249	Strand	+
Start	74340	End	83896
Name	OJ990826_12.9B22.C1.o12.gs	Method	GENSCAN
Start	74340	End	83896
GI	none	Score	.42
Exons	74340..74364, 74706..74831, 75516..75651, 77610..77742, 78227..79037, 79283..79437, 80470..80593, 83311..83378, 83480..83896		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41250	Strand	-
Start	332	End	2016
Name	OJ990826_12.9B22.C1.o1.gs	Method	GENSCAN
Start	332	End	2016
GI	none	Score	.78
Exons	332..1271, 1297..2016		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41251	Strand	-
Start	6561	End	19711
Name	OJ990826_12.9B22.C1.o3.gs	Method	GENSCAN
Start	6561	End	19711
GI	none	Score	.65
Exons	6561..6943, 7252..7366, 8465..8547, 8567..8687, 11468..11611, 12041..12282, 12405..12546, 13457..13544, 14179..14507, 14597..14902, 15406..15503, 15716..16364, 16972..17270, 17473..17575, 17659..17762, 18163..18229, 18318..18440, 18683..19711		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1

Gene No.	41251	Strand	-
Start	6561	End	19711
Name	OJ990826_12.9B22.C1.o5.np	Method	AAT/NAP
Start	14259	End	19345
GI	3451474	Score	1341
Exons	14259..14507, 14597..14902, 16972..17270, 17473..17575, 17659..17762, 18163..18229, 18318..18440, 18683..19077, 19108..19345		
GI Descrip.	(AL031349) conserved hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41251	Strand	-
Start	6561	End	19711
Name	OJ990826_12.9B22.C1.o3.gp	Method	AAT/GAP
Start	17212	End	18947
GI	42364_1.R1084	Score	1252
Exons	17212..17270, 17473..17575, 17659..17762, 18163..18229, 18318..18440, 18683..18947		
GI Descrip.	'3451474/emb|CAA20491.1| 4.0e-47 (AL031349) conserved hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41252	Strand	-
Start	22693	End	29816
Name	OJ990826_12.9B22.C1.o5.gs	Method	GENSCAN
Start	22693	End	28898
GI	none	Score	.66
Exons	22693..23057, 24529..24602, 24693..24900, 24921..25192, 26317..26363, 27335..27437, 28111..28898		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41252	Strand	-
Start	22693	End	29816
Name	OJ990826_12.9B22.C1.o6.np	Method	AAT/NAP
Start	23388	End	29816
GI	6729022	Score	266
Exons	23388..23447, 24755..25192, 28192..28428, 28579..28770, 29692..29816		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41252	Strand	-
Start	22693	End	29816
Name	OJ990826_12.9B22.C1.o6.gp	Method	AAT/GAP
Start	28181	End	28527
GI	2427828	Score	626
Exons	28181..28527		
GI Descrip.	5509944/dbj|BAA82510.1| 4.0e-13 (AB029896) esterase HDE [petroleum-degrading bacterium HD-1]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41252	Strand	-
Start	22693	End	29816
Name	OJ990826_12.9B22.C1.o7.np	Method	AAT/NAP
Start	28213	End	29761
GI	6523547	Score	272

Exons	28213..28383, 28471..29011, 29728..29761		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41253	Strand	-
Start	42211	End	42471
Name	OJ990826_12.9B22.C1.o8.gs	Method	GENSCAN
Start	42211	End	42471
GI	none	Score	.73
Exons	42211..42471		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41254	Strand	-
Start	51990	End	62483
Name	OJ990826_12.9B22.C1.o10.gs	Method	GENSCAN
Start	51990	End	62483
GI	none	Score	.51
Exons	51990..52447, 52568..52739, 52755..52987, 53012..53182, 53225..53327, 53395..53526, 53544..54129, 54395..56550, 56620..56685, 56728..57672, 57859..58002, 58223..58277, 58753..59036, 59507..59611, 59686..59886, 61907..62133, 62366..62483		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41254	Strand	-
Start	51990	End	62483
Name	OJ990826_12.9B22.C1.o9.np	Method	AAT/NAP
Start	52302	End	59316
GI	6705984	Score	4908
Exons	52302..53243, 54358..57151, 57179..58035, 59292..59316		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41255	Strand	-
Start	64112	End	71335
Name	OJ990826_12.9B22.C1.o11.gs	Method	GENSCAN
Start	64112	End	71335
GI	none	Score	.47
Exons	64112..64899, 64966..65113, 65126..65303, 65334..65463, 65777..65893, 66410..68204, 68324..68510, 68531..69524, 69559..71335		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41256	Strand	-
Start	73875	End	77398
Name	OJ990826_12.9B22.C1.o12.np	Method	AAT/NAP
Start	73875	End	77398
GI	2213582	Score	198
Exons	73875..73949, 76752..77398		
GI Descrip.	(AC000348) T7N9.2 [Arabidopsis thaliana]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41256	Strand	-
Start	73875	End	77398
Name	OJ990826_12.9B22.C1.o11.np	Method	AAT/NAP
Start	73993	End	77103

GI	553073	Score	322
Exons	73993..74016, 76686..77103		
GI Descrip.	(M94481) reverse transcriptase [Zea mays]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41257	Strand	-
Start	77389	End	85353
Name	OJ990826_12.9B22.C1.o13.np	Method	AAT/NAP
Start	77389	End	79809
GI	3377836	Score	349
Exons	77389..77963, 78035..78657, 79783..79809		
GI Descrip.	(AF075598) contains similarity to reverse transcriptases [Arabidopsis thaliana]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41257	Strand	-
Start	77389	End	85353
Name	OJ990826_12.9B22.C1.o14.np	Method	AAT/NAP
Start	77840	End	85353
GI	6523547	Score	238
Exons	77840..78213, 78340..78410, 78979..79291, 80552..80847, 83486..83633, 85330..85353		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o10.ts	Method	TBLASTX:Soybean
Start	4897	End	5291
GI	none	Score	162
Exons	4897..5184, 5172..5291		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o6.tc	Method	TBLASTX:Cress
Start	4957	End	5315
GI	none	Score	153
Exons	4957..5184, 5172..5315		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o2.tm	Method	TBLASTX:Maize
Start	4972	End	5564
GI	none	Score	170
Exons	4972..5184, 5037..5144, 5175..5564, 5247..5447		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o9.tw	Method	TBLASTX:Wheat
Start	5376	End	5633
GI	none	Score	204
Exons	5376..5633		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o10.tm	Method	TBLASTX:Maize
Start	8735	End	9446
GI	none	Score	72
Exons	8735..8812, 8971..9060, 8978..9067, 9086..9286, 9092..9229, 9112..9285, 9300..9329, 9311..9409, 9322..9411, 9413..9445, 9414..9446		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o9.ts	Method	TBLASTX:Soybean
Start	9083	End	9409
GI	none	Score	203
Exons	9083..9313, 9133..9303, 9323..9409		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o1.ts	Method	TBLASTX:Soybean
Start	14287	End	17147
GI	none	Score	252
Exons	14287..14508, 14293..14508, 14295..14528, 14307..14519, 14589..14903, 14592..14819, 14594..14905, 14597..14905, 16951..17094, 16963..17109, 16971..17120, 16973..17125, 16974..17147		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o1.tm	Method	TBLASTX:Maize
Start	14310	End	18791
GI	none	Score	61
Exons	14310..14351, 14311..14385, 14377..14508, 14382..14528, 14576..14815, 14589..14903, 14592..14819, 14593..14922, 14597..14905, 16951..17097, 16963..17109, 16971..17120, 16973..17125, 16974..17138, 17150..17272, 17194..17271, 17199..17288, 17470..17577, 17471..17578, 17474..17578, 17659..17769, 17659..17763, 18147..18230, 18155..18232, 18160..18240, 18161..18232, 18297..18443, 18317..18442, 18365..18409, 18683..18778, 18684..18791, 18685..18786		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o5.tc	Method	TBLASTX:Cress
Start	14371	End	14645
GI	none	Score	132
Exons	14371..14508, 14376..14528, 14592..14645, 14597..14644		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o1.tc	Method	TBLASTX:Cress
Start	14645	End	18443

GI	none	Score	193
Exons	14645..14905, 14646..14819, 14657..14905, 16963..17109, 16971..17120, 16979..17050, 17200..17271, 17474..17533, 17531..17578, 17538..17576, 17659..17760, 17660..17761, 18138..18230, 18155..18232, 18303..18443, 18315..18443		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o3.ts	Method	TBLASTX:Soybean
Start	17200	End	19003
GI	none	Score	57
Exons	17200..17271, 17474..17560, 17480..17575, 17508..17579, 17515..17577, 17658..17747, 17658..17747, 17659..17760, 17660..17761, 18155..18232, 18159..18230, 18303..18428, 18315..18443, 18671..19003, 18684..19001		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o20.tm	Method	TBLASTX:Maize
Start	18924	End	19068
GI	none	Score	174
Exons	18924..19049, 18925..19068, 18926..19054		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o5.tm	Method	TBLASTX:Maize
Start	24627	End	24999
GI	none	Score	92
Exons	24627..24875, 24652..24822, 24653..24877, 24660..24875, 24878..24916, 24908..24997, 24934..24999		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o2.tc	Method	TBLASTX:Cress
Start	24648	End	24919
GI	none	Score	218
Exons	24648..24878, 24651..24869, 24656..24877, 24878..24919		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o2.ts	Method	TBLASTX:Soybean
Start	24653	End	25047
GI	none	Score	222
Exons	24653..24877, 24654..24878, 24878..25045, 24879..25037, 24934..25047		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o3.tc	Method	TBLASTX:Cress
Start	24943	End	28151
GI	none	Score	98

Exons	24943..25008, 25015..25191, 25015..25203, 25016..25195, 28098..28151		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o8.ts	Method	TBLASTX:Soybean
Start	25048	End	28410
GI	none	Score	199
Exons	25048..25197, 25049..25195, 28084..28149, 28098..28151, 28197..28295, 28210..28308, 28275..28352, 28297..28410		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o13.tm	Method	TBLASTX:Maize
Start	28203	End	28428
GI	none	Score	112
Exons	28203..28427, 28215..28343, 28216..28428		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o7.tm	Method	TBLASTX:Maize
Start	51970	End	59781
GI	none	Score	44
Exons	51970..52095, 52170..52250, 52189..52245, 52254..52496, 52257..52496, 59441..59503, 59449..59562, 59575..59628, 59653..59733, 59672..59728, 59737..59781		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o18.tm	Method	TBLASTX:Maize
Start	52497	End	52723
GI	none	Score	104
Exons	52497..52721, 52498..52722, 52505..52723		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o3.tw	Method	TBLASTX:Wheat
Start	52500	End	52889
GI	none	Score	261
Exons	52500..52889, 52501..52887		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o9.tm	Method	TBLASTX:Maize
Start	52728	End	53226
GI	none	Score	77
Exons	52728..53132, 52873..53013, 53085..53132, 53145..53225, 53152..53226		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-

Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o6.tw	Method	TBLASTX:Wheat
Start	52920	End	53247
GI	none	Score	231
Exons	52920..53246, 52927..53244, 53161..53247		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o4.tc	Method	TBLASTX:Cress
Start	53091	End	54564
GI	none	Score	178
Exons	53091..53246, 53092..53256, 54358..54564, 54359..54532		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o14.tm	Method	TBLASTX:Maize
Start	54409	End	54597
GI	none	Score	154
Exons	54409..54597, 54410..54583		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o1.tw	Method	TBLASTX:Wheat
Start	54519	End	54946
GI	none	Score	354
Exons	54519..54935, 54520..54945, 54521..54946		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o3.tm	Method	TBLASTX:Maize
Start	54841	End	55386
GI	none	Score	141
Exons	54841..55386, 54965..55345		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o4.ts	Method	TBLASTX:Soybean
Start	54866	End	55125
GI	none	Score	193
Exons	54866..55096, 54868..55125		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o7.tw	Method	TBLASTX:Wheat
Start	55033	End	55434
GI	none	Score	300
Exons	55033..55434		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031

Name	OJ990826_12.9B22.C1.o5.ts	Method	TBLASTX:Soybean
Start	55159	End	55506
GI	none	Score	137
Exons	55159..55506, 55160..55498		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o4.tm	Method	TBLASTX:Maize
Start	55429	End	55896
GI	none	Score	140
Exons	55429..55896, 55460..55813, 55522..55848		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o5.tw	Method	TBLASTX:Wheat
Start	55483	End	55965
GI	none	Score	159
Exons	55483..55965, 55487..55816		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o17.tm	Method	TBLASTX:Maize
Start	55921	End	56121
GI	none	Score	161
Exons	55921..56064, 55928..56065, 56068..56121		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o2.tw	Method	TBLASTX:Wheat
Start	56275	End	56766
GI	none	Score	153
Exons	56275..56481, 56315..56482, 56485..56766, 56497..56754		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o11.tm	Method	TBLASTX:Maize
Start	56290	End	56526
GI	none	Score	128
Exons	56290..56526, 56302..56520		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o6.ts	Method	TBLASTX:Soybean
Start	56290	End	56526
GI	none	Score	122
Exons	56290..56526, 56302..56520		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o4.tw	Method	TBLASTX:Wheat

Start	57139	End	57694
GI	none	Score	221
Exons	57139..57486, 57179..57694, 57508..57675		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o7.ts	Method	TBLASTX:Soybean
Start	57256	End	57645
GI	none	Score	104
Exons	57256..57477, 57469..57645		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o21.tm	Method	TBLASTX:Maize
Start	57511	End	57713
GI	none	Score	133
Exons	57511..57690, 57512..57676, 57573..57713		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o16.tm	Method	TBLASTX:Maize
Start	64496	End	64778
GI	none	Score	101
Exons	64496..64585, 64598..64768, 64599..64778		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o8.tw	Method	TBLASTX:Wheat
Start	64754	End	65200
GI	none	Score	205
Exons	64754..64804, 64904..65200		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o6.tm	Method	TBLASTX:Maize
Start	64841	End	66488
GI	none	Score	88
Exons	64841..65296, 64938..65114, 65318..65422, 66339..66488		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o19.tm	Method	TBLASTX:Maize
Start	66489	End	66720
GI	none	Score	102
Exons	66489..66719, 66490..66720		

Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o8.tm	Method	TBLASTX:Maize
Start	66960	End	67379

GI	none	Score	80
Exons	66960..67379, 66985..67182, 67225..67302		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o22.tm	Method	TBLASTX:Maize
Start	69611	End	69956
GI	none	Score	79
Exons	69611..69676, 69731..69952, 69732..69956		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o12.tm	Method	TBLASTX:Maize
Start	76737	End	77097
GI	none	Score	67
Exons	76737..76853, 76751..77017, 76994..77071, 77059..77097		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o15.tm	Method	TBLASTX:Maize
Start	78427	End	78907
GI	none	Score	43
Exons	78427..78507, 78428..78481, 78533..78712, 78540..78713, 78776..78814, 78833..78907		
Seq. No.	19763	Seq. ID	OJ990826_12.9B22.C1
Gene No.	41258	Strand	-
Start	87934	End	88031
Name	OJ990826_12.9B22.C1.o9.gp	Method	AAT/GAP
Start	87934	End	88031
GI	LIB3477-003-P1-K1-E9	Score	167
Exons	87934..88031		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	19764	Seq. ID	OJ990826_12.9B22.C2
Gene No.	41259	Strand	+
Start	680	End	794
Name	OJ990826_12.9B22.C2.o1.gs	Method	GENSCAN
Start	680	End	794
GI	none	Score	.41
Exons	680..794		
Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41260	Strand	+
Start	226	End	4285
Name	OJ990826_12.9B22.C3.o1.gs	Method	GENSCAN
Start	226	End	4285
GI	none	Score	.64
Exons	226..336, 410..588, 1843..2002, 2108..2176, 2515..2791, 4203..4285		
Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3

Gene No.	41260	Strand	+
Start	226	End	4285
Name	OJ990826_12.9B22.C3.o1.gp	Method	AAT/GAP
Start	2084	End	2321
GI	none	Score	407
Exons	2084..2321		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41260	Strand	+
Start	226	End	4285
Name	OJ990826_12.9B22.C3.o2.gp	Method	AAT/GAP
Start	3271	End	3725
GI	19303_1.R1084	Score	854
Exons	3271..3725		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41261	Strand	-
Start	5588	End	6013
Name	OJ990826_12.9B22.C3.o2.gs	Method	GENSCAN
Start	5588	End	6013
GI	none	Score	.99
Exons	5588..6013		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o3.tw	Method	TBLASTX:Wheat
Start	298	End	2176
GI	none	Score	50
Exons	298..339, 406..468, 1840..2010, 1841..2002, 2105..2176, 2107..2172		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o3.tm	Method	TBLASTX:Maize
Start	1721	End	3406
GI	none	Score	54
Exons	1721..1762, 1722..1763, 1834..1995, 1841..2002, 2105..2176, 2107..2184, 3275..3406		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o4.ts	Method	TBLASTX:Soybean
Start	1727	End	3395
GI	none	Score	49
Exons	1727..1762, 1728..1763, 1841..2002, 1841..2002, 2105..2185, 2107..2184, 3296..3394, 3315..3395, 3326..3394		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-

Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o2.tc	Method	TBLASTX:Cress
Start	1838	End	3398
GI	none	Score	154
Exons	1838..2002, 1840..2010, 2105..2176, 2107..2184, 3275..3379, 3287..3376, 3288..3398		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o3.gs	Method	GENSCAN
Start	7032	End	8472
GI	none	Score	.87
Exons	7032..8472		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o1.np	Method	AAT/NAP
Start	7101	End	8824
GI	6630696	Score	2298
Exons	7101..8824		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o1.tw	Method	TBLASTX:Wheat
Start	7237	End	7712
GI	none	Score	409
Exons	7237..7623, 7238..7621, 7239..7622, 7638..7712, 7639..7707, 7652..7711		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o3.ts	Method	TBLASTX:Soybean
Start	7365	End	7706
GI	none	Score	88
Exons	7365..7574, 7444..7569, 7593..7706, 7603..7671		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o2.tm	Method	TBLASTX:Maize
Start	7568	End	7940
GI	none	Score	92
Exons	7568..7816, 7569..7940, 7570..7917		

Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o2.ts	Method	TBLASTX:Soybean
Start	7716	End	8067
GI	none	Score	70

Exons	7716..7907, 7719..7898, 7720..7908, 7903..8067, 7908..8066		
Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o2.tw	Method	TBLASTX:Wheat
Start	7920	End	8465
GI	none	Score	304
Exons	7920..8126, 8121..8465		
Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o1.tm	Method	TBLASTX:Maize
Start	8001	End	8466
GI	none	Score	61
Exons	8001..8465, 8104..8214, 8250..8330, 8335..8466		
Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o1.ts	Method	TBLASTX:Soybean
Start	8136	End	8466
GI	5509260	Score	73
Exons	8136..8465, 8344..8466		
GI Descrip.	-		
Seq. No.	19765	Seq. ID	OJ990826_12.9B22.C3
Gene No.	41262	Strand	-
Start	7032	End	8824
Name	OJ990826_12.9B22.C3.o1.tc	Method	TBLASTX:Cress
Start	8247	End	8469
GI	none	Score	82
Exons	8247..8468, 8256..8450, 8306..8467, 8335..8469		
Seq. No.	19766	Seq. ID	OJ990526_03.9B05.C1
Gene No.	41263	Strand	+
Start	1	End	388
Name	OJ990526_03.9B05.C1.o1.gp	Method	AAT/GAP
Start	1	End	388
GI	none	Score	601
Exons	1..388		
Seq. No.	19766	Seq. ID	OJ990526_03.9B05.C1
Gene No.	41263	Strand	+
Start	1	End	388
Name	OJ990526_03.9B05.C1.o1.gs	Method	GENSCAN
Start	219	End	291
GI	none	Score	.54
Exons	219..291		
Seq. No.	19766	Seq. ID	OJ990526_03.9B05.C1
Gene No.	41264	Strand	-
Start	218	End	605
Name	OJ990526_03.9B05.C1.o1.ts	Method	TBLASTX:Soybean
Start	199	End	337
GI	none	Score	55

Exons	199..261, 203..259, 215..337, 219..335		
Seq. No.	19766	Seq. ID	OJ990526_03.9B05.C1
Gene No.	41264	Strand	-
Start	218	End	605
Name	OJ990526_03.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	203	End	337
GI	none	Score	108
Exons	203..298, 204..335, 212..337, 216..335		
Seq. No.	19766	Seq. ID	OJ990526_03.9B05.C1
Gene No.	41264	Strand	-
Start	218	End	605
Name	OJ990526_03.9B05.C1.o1.np	Method	AAT/NAP
Start	218	End	605
GI	3036812	Score	167
Exons	218..334, 585..605		
GI Descrip.	(AL022373) ATM-like protein [Arabidopsis thaliana]		
Seq. No.	19767	Seq. ID	OJ990526_03.9B05.C2
Gene No.	41265	Strand	+
Start	352	End	523
Name	OJ990526_03.9B05.C2.o1.gs	Method	GENSCAN
Start	352	End	523
GI	none	Score	56
Exons	352..523		
Seq. No.	19767	Seq. ID	OJ990526_03.9B05.C2
Gene No.	41266	Strand	-
Start	385	End	617
Name	OJ990526_03.9B05.C2.o1.gp	Method	AAT/GAP
Start	385	End	617
GI	29656_1.R1084	Score	411
Exons	385..617		
GI Descrip.	'3776578 2.0e-21 (AC005388) ESTs gb_F13915 and gb_F13916 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	19768	Seq. ID	OJ990526_03.9B05.C4
Gene No.	41267	Strand	+
Start	1	End	647
Name	OJ990526_03.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	647
GI	6598526	Score	357
Exons	1..389, 539..647		
GI Descrip.	(AC006201) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	19769	Seq. ID	OJ990526_03.9B05.C5
Gene No.	41268	Strand	+
Start	117	End	538
Name	OJ990526_03.9B05.C5.o1.gp	Method	AAT/GAP
Start	117	End	538
GI	none	Score	673
Exons	117..538		
Seq. No.	19769	Seq. ID	OJ990526_03.9B05.C5
Gene No.	41269	Strand	-
Start	368	End	695

Name	OJ990526_03.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	349	End	487
GI	none	Score	55
Exons	349..411, 353..409, 365..487,	369..485	

Seq. No.	19769	Seq. ID	OJ990526_03.9B05.C5
Gene No.	41269	Strand	-
Start	368	End	695
Name	OJ990526_03.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	353	End	487
GI	none	Score	108
Exons	353..448, 354..485, 362..487,	366..485	

Seq. No.	19769	Seq. ID	OJ990526_03.9B05.C5
Gene No.	41269	Strand	-
Start	368	End	695
Name	OJ990526_03.9B05.C5.o1.np	Method	AAT/NAP
Start	368	End	695
GI	3036812	Score	164
Exons	368..484, 660..695		
GI Descrip.	(AL022373) ATM-like protein [Arabidopsis thaliana]		

Seq. No.	19770	Seq. ID	OJ990526_03.9B05.C7
Gene No.	41270	Strand	-
Start	111	End	199
Name	OJ990526_03.9B05.C7.o1.gp	Method	AAT/GAP
Start	111	End	199
GI	LIB3431-013-P1-K1-A8	Score	124
Exons	111..199		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 5.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	19770	Seq. ID	OJ990526_03.9B05.C7
Gene No.	41271	Strand	-
Start	327	End	1655
Name	OJ990526_03.9B05.C7.o1.gs	Method	GENSCAN
Start	327	End	1655
GI	none	Score	.9
Exons	327..476, 759..1655		

Seq. No.	19771	Seq. ID	OJ990526_03.9B05.C8
Gene No.	41272	Strand	+
Start	4617	End	4675
Name	OJ990526_03.9B05.C8.o1.gp	Method	AAT/GAP
Start	4617	End	4675
GI	4715947	Score	68
Exons	4617..4675		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	19771	Seq. ID	OJ990526_03.9B05.C8
Gene No.	41273	Strand	-
Start	4406	End	9716
Name	OJ990526_03.9B05.C8.o2.gs	Method	GENSCAN

Start	4406	End	9710
GI	none	Score	.49
Exons	4406..4512, 6412..6496, 8300..8530, 8980..9083, 9208..9339, 9434..9710		

Seq. No.	19771	Seq. ID	OJ990526_03.9B05.C8
Gene No.	41273	Strand	-
Start	4406	End	9716
Name	OJ990526_03.9B05.C8.o2.np	Method	AAT/NAP
Start	6211	End	9716
GI	6815062	Score	808
Exons	6211..6252, 9097..9339, 9434..9716		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	19771	Seq. ID	OJ990526_03.9B05.C8
Gene No.	41273	Strand	-
Start	4406	End	9716
Name	OJ990526_03.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	9104	End	9596
GI	none	Score	57
Exons	9104..9208, 9117..9212, 9218..9247, 9242..9349, 9264..9350, 9411..9596, 9418..9594		

Seq. No.	19771	Seq. ID	OJ990526_03.9B05.C8
Gene No.	41273	Strand	-
Start	4406	End	9716
Name	OJ990526_03.9B05.C8.o1.np	Method	AAT/NAP
Start	9112	End	9716
GI	6815062	Score	811
Exons	9112..9339, 9434..9716		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	19772	Seq. ID	OJ990526_03.9B05.C9
Gene No.	41274	Strand	-
Start	1	End	880
Name	OJ990526_03.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	880
GI	6815062	Score	1407
Exons	1..880		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	19772	Seq. ID	OJ990526_03.9B05.C9
Gene No.	41274	Strand	-
Start	1	End	880
Name	OJ990526_03.9B05.C9.o1.gs	Method	GENSCAN
Start	140	End	718
GI	none	Score	.41
Exons	140..285, 550..718		

Seq. No.	19772	Seq. ID	OJ990526_03.9B05.C9
Gene No.	41274	Strand	-

Start	1	End	880
Name	OJ990526_03.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	296	End	839
GI	none	Score	39
Exons	296..661, 316..339, 372..662, 680..835, 714..839		

Seq. No.	19773	Seq. ID	OJ990526_03.9B05.C10
Gene No.	41275	Strand	+
Start	312	End	447
Name	OJ990526_03.9B05.C10.o1.gs	Method	GENSCAN
Start	312	End	447
GI	none	Score	.65
Exons	312..447		

Seq. No.	19774	Seq. ID	OJ990526_03.9B05.C11
Gene No.	41276	Strand	+
Start	287	End	652
Name	OJ990526_03.9B05.C11.o1.gs	Method	GENSCAN
Start	287	End	652
GI	none	Score	.59
Exons	287..424, 565..652		

Seq. No.	19774	Seq. ID	OJ990526_03.9B05.C11
Gene No.	41277	Strand	-
Start	1	End	670
Name	OJ990526_03.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	670
GI	5103193	Score	1079
Exons	1..670		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	19775	Seq. ID	OJ990526_03.9B05.C12
Gene No.	41278	Strand	-
Start	1	End	727
Name	OJ990526_03.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	727
GI	3036812	Score	238
Exons	1..259, 668..727		
GI Descrip.	(AL022373) ATM-like protein [Arabidopsis thaliana]		

Seq. No.	19775	Seq. ID	OJ990526_03.9B05.C12
Gene No.	41278	Strand	-
Start	1	End	727
Name	OJ990526_03.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	64	End	233
GI	none	Score	245
Exons	64..228, 64..225, 65..226, 66..233, 66..230		

Seq. No.	19775	Seq. ID	OJ990526_03.9B05.C12
Gene No.	41278	Strand	-
Start	1	End	727
Name	OJ990526_03.9B05.C12.o1.gs	Method	GENSCAN
Start	78	End	521
GI	none	Score	.52
Exons	78..227, 516..521		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41279	Strand	+
Start	73	End	3811
Name	OJ990526_03.9B05.C13.o1.gs	Method	GENSCAN
Start	73	End	3811
GI	none	Score	.87
Exons	73..514, 650..1341, 1396..3811		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41279	Strand	+
Start	73	End	3811
Name	OJ990526_03.9B05.C13.o1.np	Method	AAT/NAP
Start	713	End	3808
GI	5902445	Score	5330
Exons	713..3808		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41280	Strand	-
Start	4127	End	7068
Name	OJ990526_03.9B05.C13.o2.gs	Method	GENSCAN
Start	4127	End	7068
GI	none	Score	.95
Exons	4127..4575, 4648..4752, 4825..5014, 5090..5277, 5397..5728, 5811..5986, 6184..7068		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41280	Strand	-
Start	4127	End	7068
Name	OJ990526_03.9B05.C13.o2.np	Method	AAT/NAP
Start	4130	End	7068
GI	6691716	Score	2306
Exons	4130..4575, 4648..4760, 4911..5014, 5090..5284, 5461..5728, 5811..5986, 6184..7068		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o6.tw	Method	TBLASTX:Wheat
Start	71	End	415
GI	none	Score	322
Exons	71..415, 76..396		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o7.tm	Method	TBLASTX:Maize
Start	289	End	436
GI	none	Score	183
Exons	289..435, 290..436		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-

Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	658	End	1114
GI	none	Score	496
Exons	658..1113, 659..1114		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o3.ts	Method	TBLASTX:Soybean
Start	698	End	1063
GI	none	Score	138
Exons	698..922, 929..1063		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	788	End	1144
GI	none	Score	367
Exons	788..1144, 829..1134, 851..1144		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o2.tw	Method	TBLASTX:Wheat
Start	1229	End	1653
GI	none	Score	436
Exons	1229..1648, 1273..1653, 1294..1653		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	1307	End	1708
GI	none	Score	308
Exons	1307..1708, 1324..1467, 1504..1674		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	1375	End	1819
GI	none	Score	272
Exons	1375..1629, 1376..1630, 1651..1782, 1652..1795, 1793..1819		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o7.tw	Method	TBLASTX:Wheat
Start	1657	End	1941
GI	none	Score	275
Exons	1657..1941, 1658..1939		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542

Name	OJ990526_03.9B05.C13.o2.ts	Method	TBLASTX:Soybean
Start	1934	End	2322
GI	none	Score	88
Exons	1934..2038, 1942..2322, 2078..2320		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o5.tw	Method	TBLASTX:Wheat
Start	1943	End	2365
GI	none	Score	415
Exons	1943..2365, 1951..2355		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o5.tm	Method	TBLASTX:Maize
Start	2195	End	2449
GI	none	Score	192
Exons	2195..2449, 2203..2310		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o9.tw	Method	TBLASTX:Wheat
Start	2381	End	2680
GI	none	Score	134
Exons	2381..2515, 2540..2680		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	2678	End	3040
GI	none	Score	447
Exons	2678..3001, 2698..2988, 2992..3039, 2993..3040		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o4.tw	Method	TBLASTX:Wheat
Start	2683	End	3070
GI	none	Score	420
Exons	2683..2994, 2684..3070, 2885..3070		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o6.tm	Method	TBLASTX:Maize
Start	3142	End	3415
GI	none	Score	95
Exons	3142..3249, 3143..3241, 3232..3306, 3236..3319, 3329..3415		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o3.tw	Method	TBLASTX:Wheat

Start	3185	End	3799
GI	none	Score	349
Exons	3185..3676, 3205..3294, 3346..3447, 3662..3799, 3673..3795		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o4.tm	Method	TBLASTX:Maize
Start	3527	End	3760
GI	none	Score	148
Exons	3527..3679, 3628..3678, 3658..3759, 3659..3760		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o8.tw	Method	TBLASTX:Wheat
Start	6658	End	6948
GI	none	Score	211
Exons	6658..6948		

Seq. No.	19776	Seq. ID	OJ990526_03.9B05.C13
Gene No.	41281	Strand	-
Start	8494	End	11542
Name	OJ990526_03.9B05.C13.o3.gs	Method	GENSCAN
Start	8494	End	11542
GI	none	Score	.49
Exons	8494..8863, 8980..9083, 9307..9366, 10688..10818, 11529..11542		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41282	Strand	+
Start	1184	End	4119
Name	OJ990526_03.9B05.C14.o1.gs	Method	GENSCAN
Start	1184	End	4119
GI	none	Score	.59
Exons	1184..1255, 2467..2827, 3026..3146, 3621..3770, 3883..4119		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41282	Strand	+
Start	1184	End	4119
Name	OJ990526_03.9B05.C14.o1.gp	Method	AAT/GAP
Start	2555	End	2958
GI	none	Score	772
Exons	2555..2958		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41283	Strand	+
Start	8543	End	8964
Name	OJ990526_03.9B05.C14.o4.gp	Method	AAT/GAP
Start	8543	End	8964
GI	none	Score	673
Exons	8543..8964		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41284	Strand	-
Start	4632	End	6457
Name	OJ990526_03.9B05.C14.o2.gs	Method	GENSCAN
Start	4632	End	6457

GI	none	Score	.61
Exons	4632..5143, 6073..6190, 6446..6457		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41284	Strand	-
Start	4632	End	6457
Name	OJ990526_03.9B05.C14.o1.np	Method	AAT/NAP
Start	4635	End	5232
GI	3776578	Score	311
Exons	4635..5232		
GI Descrip.	(AC005388) ESTs gb|F13915 and gb|F13916 come from this gene. [Arabidopsis thaliana]		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41284	Strand	-
Start	4632	End	6457
Name	OJ990526_03.9B05.C14.o2.gp	Method	AAT/GAP
Start	4811	End	6305
GI	29656_1.R1084	Score	1088
Exons	4811..5143, 6073..6305		
GI Descrip.	'3776578 2.0e-21 (AC005388) ESTs gb_F13915 and gb_F13916 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41285	Strand	-
Start	6807	End	7003
Name	OJ990526_03.9B05.C14.o3.gp	Method	AAT/GAP
Start	6807	End	7003
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	6807..6846, 6944..7003		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41286	Strand	-
Start	8794	End	9876
Name	OJ990526_03.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	4632	End	6281
GI	none	Score	56
Exons	4632..4685, 4695..5129, 4697..5125, 4750..5130, 5122..5181, 6065..6148, 6069..6149, 6243..6281, 6255..6281		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41286	Strand	-
Start	8794	End	9876
Name	OJ990526_03.9B05.C14.o1.tc	Method	TBLASTX:Cress
Start	4689	End	5139
GI	none	Score	250
Exons	4689..5129, 4750..5139		

Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41286	Strand	-
Start	8794	End	9876
Name	OJ990526_03.9B05.C14.o1.tw	Method	TBLASTX:Wheat
Start	4700	End	5056
GI	none	Score	367

Exons	4700..5053, 4701..5054, 4750..5055, 4997..5056		
Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41286	Strand	-
Start	8794	End	9876
Name	OJ990526_03.9B05.C14.o1.ts	Method	TBLASTX:Soybean
Start	4725	End	5138
GI	none	Score	217
Exons	4725..5138, 4750..5121		
Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41286	Strand	-
Start	8794	End	9876
Name	OJ990526_03.9B05.C14.o2.tm	Method	TBLASTX:Maize
Start	8779	End	9766
GI	none	Score	108
Exons	8779..8874, 8780..8911, 8788..8913, 8792..8911, 9543..9743, 9550..9759, 9552..9761, 9704..9766		
Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41286	Strand	-
Start	8794	End	9876
Name	OJ990526_03.9B05.C14.o2.ts	Method	TBLASTX:Soybean
Start	8791	End	9761
GI	none	Score	132
Exons	8791..8913, 8795..8911, 9550..9660, 9552..9659, 9643..9759, 9651..9761		
Seq. No.	19777	Seq. ID	OJ990526_03.9B05.C14
Gene No.	41286	Strand	-
Start	8794	End	9876
Name	OJ990526_03.9B05.C14.o2.np	Method	AAT/NAP
Start	8794	End	9876
GI	3036812	Score	299
Exons	8794..8910, 9552..9762, 9790..9876		
GI Descrip.	(AL022373) ATM-like protein [Arabidopsis thaliana]		
Seq. No.	19778	Seq. ID	OJ990526_03.9B05.C15
Gene No.	41287	Strand	-
Start	140	End	1599
Name	OJ990526_03.9B05.C15.o1.gp	Method	AAT/GAP
Start	140	End	1162
GI	10061_1.R1084	Score	1332
Exons	140..390, 551..699, 777..1162		
GI Descrip.	'4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		
Seq. No.	19778	Seq. ID	OJ990526_03.9B05.C15
Gene No.	41287	Strand	-
Start	140	End	1599
Name	OJ990526_03.9B05.C15.o3.tm	Method	TBLASTX:Maize
Start	175	End	829
GI	none	Score	215
Exons	175..375, 182..391, 184..393, 336..398, 545..700, 546..716, 616..705, 775..825, 778..828, 779..829, 779..829		
Seq. No.	19778	Seq. ID	OJ990526_03.9B05.C15

Gene No.	41287	Strand	-
Start	140	End	1599
Name	OJ990526_03.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	182	End	1599
GI	none	Score	94
Exons	182..292, 184..291, 275..391, 283..393, 545..625, 546..641, 617..700, 618..725, 778..1182, 779..1183, 1003..1206, 1115..1189, 1281..1568, 1284..1568, 1285..1599		

Seq. No.	19778	Seq. ID	OJ990526_03.9B05.C15
Gene No.	41287	Strand	-
Start	140	End	1599
Name	OJ990526_03.9B05.C15.o1.gs	Method	GENSCAN
Start	184	End	1448
GI	none	Score	.85
Exons	184..390, 551..699, 777..1179, 1287..1448		

Seq. No.	19778	Seq. ID	OJ990526_03.9B05.C15
Gene No.	41287	Strand	-
Start	140	End	1599
Name	OJ990526_03.9B05.C15.o1.np	Method	AAT/NAP
Start	184	End	1599
GI	6598526	Score	1251
Exons	184..390, 551..699, 777..1179, 1287..1599		
GI Descrip.	(AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19778	Seq. ID	OJ990526_03.9B05.C15
Gene No.	41287	Strand	-
Start	140	End	1599
Name	OJ990526_03.9B05.C15.o1.tc	Method	TBLASTX:Cress
Start	578	End	1304
GI	none	Score	128
Exons	578..700, 579..716, 778..1182, 779..1180, 1006..1182, 1037..1189, 1116..1193, 1281..1304		

Seq. No.	19778	Seq. ID	OJ990526_03.9B05.C15
Gene No.	41287	Strand	-
Start	140	End	1599
Name	OJ990526_03.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	831	End	1135
GI	none	Score	276
Exons	831..1133, 832..1134, 833..1135, 833..1135		

Seq. No.	19778	Seq. ID	OJ990526_03.9B05.C15
Gene No.	41287	Strand	-
Start	140	End	1599
Name	OJ990526_03.9B05.C15.o2.tm	Method	TBLASTX:Maize
Start	1311	End	1568
GI	none	Score	370
Exons	1311..1568, 1312..1566		

Seq. No.	19779	Seq. ID	OJ990526_03.9B05.C16
Gene No.	41288	Strand	-
Start	1	End	1108
Name	OJ990526_03.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	1108
GI	6598526	Score	873

Exons	1..222, 389..820, 1083..1108		
GI Descrip.	(AC006201) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	19779	Seq. ID	OJ990526_03.9B05.C16
Gene No.	41288	Strand	-
Start	1	End	1108
Name	OJ990526_03.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	58	End	825
GI	none	Score	247
Exons	58..225, 59..223, 387..821, 387..818, 389..823, 553..825		
Seq. No.	19779	Seq. ID	OJ990526_03.9B05.C16
Gene No.	41288	Strand	-
Start	1	End	1108
Name	OJ990526_03.9B05.C16.o1.ts	Method	TBLASTX:Soybean
Start	58	End	722
GI	none	Score	208
Exons	58..225, 59..256, 60..260, 389..694, 389..721, 585..722		
Seq. No.	19779	Seq. ID	OJ990526_03.9B05.C16
Gene No.	41288	Strand	-
Start	1	End	1108
Name	OJ990526_03.9B05.C16.o1.gs	Method	GENSCAN
Start	153	End	820
GI	none	Score	.97
Exons	153..222, 389..820		
Seq. No.	19779	Seq. ID	OJ990526_03.9B05.C16
Gene No.	41288	Strand	-
Start	1	End	1108
Name	OJ990526_03.9B05.C16.o1.tc	Method	TBLASTX:Cress
Start	199	End	592
GI	none	Score	140
Exons	199..225, 389..592, 389..586		
Seq. No.	19780	Seq. ID	OJ990526_03.9B05.C17
Gene No.	41289	Strand	-
Start	1	End	9081
Name	OJ990526_03.9B05.C17.o1.np	Method	AAT/NAP
Start	1	End	9081
GI	6598526	Score	6348
Exons	1..82, 685..1013, 1056..1149, 1245..1535, 1608..1868, 1960..3261, 3469..3898, 3966..4369, 4683..5039, 5165..5425, 5817..6464, 6554..6775, 6870..7091, 7183..7332, 8062..8434, 8801..9081		
GI Descrip.	(AC006201) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	19780	Seq. ID	OJ990526_03.9B05.C17
Gene No.	41289	Strand	-
Start	1	End	9081
Name	OJ990526_03.9B05.C17.o2.tm	Method	TBLASTX:Maize
Start	682	End	1015
GI	none	Score	322
Exons	682..1014, 685..1005, 698..1015		
Seq. No.	19780	Seq. ID	OJ990526_03.9B05.C17
Gene No.	41289	Strand	-

Start	1	End	9081
Name	OJ990526_03.9B05.C17.o1.gs	Method	GENSCAN
Start	685	End	8942
GI	none	Score	.89
Exons	685..1149, 1245..1535, 1608..1868, 1960..3261, 3469..3898, 3966..4369, 4683..5039, 5165..5425, 5817..6464, 6554..6775, 6870..7091, 8062..8434, 8801..8942		

Seq. No.	19780	Seq. ID	OJ990526_03.9B05.C17
Gene No.	41289	Strand	-
Start	1	End	9081
Name	OJ990526_03.9B05.C17.o3.ts	Method	TBLASTX:Soybean
Start	793	End	1155
GI	none	Score	57
Exons	793..1020, 878..937, 935..1021, 1075..1152, 1079..1150, 1087..1155		

Seq. No.	19780	Seq. ID	OJ990526_03.9B05.C17
Gene No.	41289	Strand	-
Start	1	End	9081
Name	OJ990526_03.9B05.C17.o1.ts	Method	TBLASTX:Soybean
Start	1269	End	1505
GI	none	Score	190
Exons	1269..1505, 1273..1503		

Seq. No.	19780	Seq. ID	OJ990526_03.9B05.C17
Gene No.	41289	Strand	-
Start	1	End	9081
Name	OJ990526_03.9B05.C17.o1.gp	Method	AAT/GAP
Start	1284	End	2172
GI	31373_1.R1084	Score	1401
Exons	1284..1535, 1608..1868, 1960..2172		
GI Descrip.	'2708741 1.0e-106 (AC003952) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	19780	Seq. ID	OJ990526_03.9B05.C17
Gene No.	41289	Strand	-
Start	1	End	9081
Name	OJ990526_03.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	1284	End	2071
GI	none	Score	364
Exons	1284..1544, 1285..1536, 1286..1549, 1287..1544, 1597..1869, 1605..1874, 1608..1871, 1958..2071, 1960..2064		

Seq. No.	19780	Seq. ID	OJ990526_03.9B05.C17
Gene No.	41289	Strand	-
Start	1	End	9081
Name	OJ990526_03.9B05.C17.o2.ts	Method	TBLASTX:Soybean
Start	3067	End	3264
GI	none	Score	188
Exons	3067..3261, 3068..3262, 3070..3264		

Seq. No.	19781	Seq. ID	OJ990526_03.9B05.C18
Gene No.	41290	Strand	-
Start	1	End	9673
Name	OJ990526_03.9B05.C18.o1.np	Method	AAT/NAP
Start	1	End	9673

GI	6598526	Score	4989
Exons	1..23, 235..457, 935..1193, 1353..1688, 1781..2763, 4159..5392, 5474..5500, 5626..5678, 5766..5827, 6286..6356, 6838..6897, 6973..7035, 7225..7320, 7761..7869, 8510..8595, 8888..9673		
GI Descrip.	(AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19781	Seq. ID	OJ990526_03.9B05.C18
Gene No.	41290	Strand	-
Start	1	End	9673
Name	OJ990526_03.9B05.C18.o1.gs	Method	GENSCAN
Start	235	End	9615
GI	none	Score	.87
Exons	235..457, 935..1193, 1353..1688, 1781..2767, 4163..5392, 6288..6356, 7225..7320, 7761..7869, 8510..8595, 8888..9615		

Seq. No.	19781	Seq. ID	OJ990526_03.9B05.C18
Gene No.	41290	Strand	-
Start	1	End	9673
Name	OJ990526_03.9B05.C18.o1.gp	Method	AAT/GAP
Start	7802	End	9049
GI	1631516	Score	807
Exons	7802..7869, 8510..8595, 8686..8814, 8888..9049		
GI Descrip.	3036812/emb|CAA18502| 2.0e-51 (AL022373) ATM-like protein [Arabidopsis thaliana]		

Seq. No.	19782	Seq. ID	OJ990526_03.9B05.C19
Gene No.	41291	Strand	+
Start	215	End	2116
Name	OJ990526_03.9B05.C19.o1.gs	Method	GENSCAN
Start	215	End	2116
GI	none	Score	.86
Exons	215..232, 1456..1485, 1801..1906, 1977..2116		

Seq. No.	19782	Seq. ID	OJ990526_03.9B05.C19
Gene No.	41292	Strand	+
Start	3017	End	3792
Name	OJ990526_03.9B05.C19.o2.gs	Method	GENSCAN
Start	3017	End	3691
GI	none	Score	.99
Exons	3017..3691		

Seq. No.	19782	Seq. ID	OJ990526_03.9B05.C19
Gene No.	41292	Strand	+
Start	3017	End	3792
Name	OJ990526_03.9B05.C19.o1.np	Method	AAT/NAP
Start	3024	End	3676
GI	5051773	Score	321
Exons	3024..3676		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	19782	Seq. ID	OJ990526_03.9B05.C19
Gene No.	41292	Strand	+
Start	3017	End	3792
Name	OJ990526_03.9B05.C19.o1.tw	Method	TBLASTX:Wheat
Start	3115	End	3277
GI	none	Score	203
Exons	3115..3276, 3116..3277		

Seq. No.	19782	Seq. ID	OJ990526_03.9B05.C19
Gene No.	41292	Strand	+
Start	3017	End	3792
Name	OJ990526_03.9B05.C19.o1.tc	Method	TBLASTX:Cress
Start	3121	End	3382
GI	none	Score	238
Exons	3121..3357, 3131..3382		

Seq. No.	19782	Seq. ID	OJ990526_03.9B05.C19
Gene No.	41292	Strand	+
Start	3017	End	3792
Name	OJ990526_03.9B05.C19.o1.tm	Method	TBLASTX:Maize
Start	3125	End	3649
GI	none	Score	234
Exons	3125..3382, 3154..3357, 3515..3649		

Seq. No.	19782	Seq. ID	OJ990526_03.9B05.C19
Gene No.	41292	Strand	+
Start	3017	End	3792
Name	OJ990526_03.9B05.C19.o1.ts	Method	TBLASTX:Soybean
Start	3125	End	3319
GI	none	Score	185
Exons	3125..3319, 3136..3318		

Seq. No.	19782	Seq. ID	OJ990526_03.9B05.C19
Gene No.	41292	Strand	+
Start	3017	End	3792
Name	OJ990526_03.9B05.C19.o1.gp	Method	AAT/GAP
Start	3132	End	3792
GI	14368_1.R1084	Score	1206
Exons	3132..3792		
GI Descrip.	'3036812/emb|CAA18502| 2.0e-51 (AL022373) ATM-like protein [Arabidopsis thaliana]'		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41293	Strand	+
Start	1161	End	4663
Name	OJ990526_03.9B05.C20.o1.gp	Method	AAT/GAP
Start	1161	End	3369
GI	32242_1.R1084	Score	1135
Exons	1161..1346, 2956..3369		
GI Descrip.	'1076668/pir||S52261 3.0e-37 NADH dehydrogenase (EC 1.6.99.3) - potato >gi_639834_emb_CAA58823_ (X83999) NADH dehydrogenase [Solanum tuberosum]'		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41293	Strand	+
Start	1161	End	4663
Name	OJ990526_03.9B05.C20.o1.np	Method	AAT/NAP
Start	2953	End	4416
GI	1076668	Score	2305
Exons	2953..4416		
GI Descrip.	NADH dehydrogenase (EC 1.6.99.3) - potato gi|639834|emb|CAA58823| (X83999) NADH dehydrogenase [Solanum tuberosum]		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41293	Strand	+
Start	1161	End	4663
Name	OJ990526_03.9B05.C20.o2.gp	Method	AAT/GAP
Start	3633	End	4663
GI	11106_1.R1084	Score	1973
Exons	3633..4663		
GI Descrip.	'1076668/pir||S52261 1.0e-130 NADH dehydrogenase (EC 1.6.99.3) - potato >gi_639834_emb_CAA58823_ (X83999) NADH dehydrogenase [Solanum tuberosum]'		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41294	Strand	-
Start	658	End	1802
Name	OJ990526_03.9B05.C20.o1.gs	Method	GENSCAN
Start	658	End	1802
GI	none	Score	.93
Exons	658..826, 1167..1482, 1511..1802		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o2.tm	Method	TBLASTX:Maize
Start	1147	End	3179
GI	none	Score	207
Exons	1147..1185, 1272..1346, 2936..3178, 2943..3179, 3105..3179		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o1.tc	Method	TBLASTX:Cress
Start	3033	End	4416
GI	none	Score	361
Exons	3033..3536, 3105..4355, 3106..4356, 3115..4416, 3576..4394		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o2.ts	Method	TBLASTX:Soybean
Start	3033	End	3435
GI	none	Score	275
Exons	3033..3428, 3105..3434, 3106..3435		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o1.tm	Method	TBLASTX:Maize
Start	3180	End	4502
GI	none	Score	835
Exons	3180..3950, 3189..3950, 3190..3951, 3193..3957, 3488..3958, 3951..4457, 3952..4458, 3952..4458, 3953..4459, 4461..4502, 4464..4499		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o2.tw	Method	TBLASTX:Wheat

Start	3233	End	3494
GI	none	Score	159
Exons	3233..3445, 3246..3494, 3247..3492		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o1.ts	Method	TBLASTX:Soybean
Start	3678	End	4416
GI	none	Score	77
Exons	3678..3743, 3679..3744, 3681..3743, 3705..4355, 3745..4356, 3745..4416		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o1.tw	Method	TBLASTX:Wheat
Start	3916	End	4340
GI	none	Score	746
Exons	3916..4338, 3916..4338, 3918..4340		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o2.np	Method	AAT/NAP
Start	4929	End	7317
GI	4249410	Score	572
Exons	4929..5026, 6100..6285, 6567..6696, 6806..7025, 7133..7317		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o3.gs	Method	GENSCAN
Start	5003	End	7013
GI	none	Score	.56
Exons	5003..5135, 6069..6204, 6567..6696, 6806..7013		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o3.ts	Method	TBLASTX:Soybean
Start	6117	End	6288
GI	none	Score	161
Exons	6117..6284, 6137..6283, 6138..6287, 6211..6288		

Seq. No.	19783	Seq. ID	OJ990526_03.9B05.C20
Gene No.	41295	Strand	-
Start	5003	End	7317
Name	OJ990526_03.9B05.C20.o2.tc	Method	TBLASTX:Cress
Start	6143	End	6278
GI	none	Score	135
Exons	6143..6277, 6144..6278		

Seq. No.	19784	Seq. ID	OJ990526_03.9B05.C21
Gene No.	41296	Strand	-
Start	1	End	4537

Name	OJ990526_03.9B05.C21.o1.np	Method	AAT/NAP
Start	1	End	4537
GI	4249410	Score	629
Exons	1..171, 281..488, 4279..4537		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	19784	Seq. ID	OJ990526_03.9B05.C21
Gene No.	41296	Strand	-
Start	1	End	4537
Name	OJ990526_03.9B05.C21.o1.gs	Method	GENSCAN
Start	42	End	4427
GI	none	Score	.6
Exons	42..171, 281..488, 1663..1753, 2999..3162, 4279..4427		

Seq. No.	19784	Seq. ID	OJ990526_03.9B05.C21
Gene No.	41296	Strand	-
Start	1	End	4537
Name	OJ990526_03.9B05.C21.o1.tm	Method	TBLASTX:Maize
Start	4272	End	4537
GI	none	Score	267
Exons	4272..4478, 4273..4458, 4278..4523, 4469..4537		

Seq. No.	19784	Seq. ID	OJ990526_03.9B05.C21
Gene No.	41296	Strand	-
Start	1	End	4537
Name	OJ990526_03.9B05.C21.o1.tc	Method	TBLASTX:Cress
Start	4311	End	4493
GI	none	Score	103
Exons	4311..4475, 4317..4493, 4324..4452		

Seq. No.	19784	Seq. ID	OJ990526_03.9B05.C21
Gene No.	41296	Strand	-
Start	1	End	4537
Name	OJ990526_03.9B05.C21.o1.ts	Method	TBLASTX:Soybean
Start	4338	End	4505
GI	none	Score	125
Exons	4338..4475, 4342..4458, 4347..4505		

Seq. No.	19785	Seq. ID	OJ990526_03.9B05.C22
Gene No.	41297	Strand	+
Start	42	End	1908
Name	OJ990526_03.9B05.C22.o1.gs	Method	GENSCAN
Start	42	End	1908
GI	none	Score	.87
Exons	42..428, 889..1057, 1136..1246, 1780..1908		

Seq. No.	19786	Seq. ID	OJ990526_03.9B05.C28
Gene No.	41298	Strand	+
Start	1	End	505
Name	OJ990526_03.9B05.C28.o1.np	Method	AAT/NAP
Start	1	End	505
GI	6907089	Score	182
Exons	1..505		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19787	Seq. ID	OJ990526_03.9B05.C29
Gene No.	41299	Strand	+

Start	1	End	630
Name	OJ990526_03.9B05.C29.o1.np	Method	AAT/NAP
Start	1	End	630
GI	3036812	Score	194
Exons	1..21, 276..630		
GI Descrip.	(AL022373) ATM-like protein [Arabidopsis thaliana]		

Seq. No.	19788	Seq. ID	OJ990416_07.9B12.C1
Gene No.	41300	Strand	-
Start	1	End	718
Name	OJ990416_07.9B12.C1.o1.np	Method	AAT/NAP
Start	1	End	718
GI	5823579	Score	473
Exons	1..718		
GI Descrip.	(AJ132843) mitochondrial RNA helicase [Arabidopsis thaliana]		

Seq. No.	19788	Seq. ID	OJ990416_07.9B12.C1
Gene No.	41300	Strand	-
Start	1	End	718
Name	OJ990416_07.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	179
GI	none	Score	214
Exons	1..177, 2..178, 3..179		

Seq. No.	19788	Seq. ID	OJ990416_07.9B12.C1
Gene No.	41300	Strand	-
Start	1	End	718
Name	OJ990416_07.9B12.C1.o1.ts	Method	TBLASTX:Soybean
Start	242	End	498
GI	none	Score	214
Exons	242..493, 244..498		

Seq. No.	19789	Seq. ID	OJ990416_07.9B12.C2
Gene No.	41301	Strand	-
Start	366	End	473
Name	OJ990416_07.9B12.C2.o1.gs	Method	GENSCAN
Start	366	End	473
GI	none	Score	.66
Exons	366..473		

Seq. No.	19790	Seq. ID	OJ990416_07.9B12.C4
Gene No.	41302	Strand	-
Start	1	End	670
Name	OJ990416_07.9B12.C4.o1.np	Method	AAT/NAP
Start	1	End	670
GI	3080434	Score	267
Exons	1..90, 344..670		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	19790	Seq. ID	OJ990416_07.9B12.C4
Gene No.	41302	Strand	-
Start	1	End	670
Name	OJ990416_07.9B12.C4.o1.gs	Method	GENSCAN
Start	344	End	590
GI	none	Score	.94
Exons	344..590		

Seq. No.	19791	Seq. ID	OJ990416_07.9B12.C6
Gene No.	41303	Strand	-
Start	320	End	681
Name	OJ990416_07.9B12.C6.o1.gs	Method	GENSCAN
Start	320	End	681
GI	none	Score	.69
Exons	320..585, 639..681		

Seq. No.	19792	Seq. ID	OJ990416_07.9B12.C7
Gene No.	41304	Strand	+
Start	1	End	654
Name	OJ990416_07.9B12.C7.o1.np	Method	AAT/NAP
Start	1	End	578
GI	3080433	Score	486
Exons	1..578		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	19792	Seq. ID	OJ990416_07.9B12.C7
Gene No.	41304	Strand	+
Start	1	End	654
Name	OJ990416_07.9B12.C7.o1.tc	Method	TBLASTX:Cress
Start	53	End	577
GI	none	Score	519
Exons	53..256, 56..577, 61..576		

Seq. No.	19792	Seq. ID	OJ990416_07.9B12.C7
Gene No.	41304	Strand	+
Start	1	End	654
Name	OJ990416_07.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	97	End	490
GI	none	Score	455
Exons	97..483, 98..490, 224..490		

Seq. No.	19792	Seq. ID	OJ990416_07.9B12.C7
Gene No.	41304	Strand	+
Start	1	End	654
Name	OJ990416_07.9B12.C7.o1.ts	Method	TBLASTX:Soybean
Start	149	End	586
GI	none	Score	69
Exons	149..208, 206..586, 211..555		

Seq. No.	19792	Seq. ID	OJ990416_07.9B12.C7
Gene No.	41304	Strand	+
Start	1	End	654
Name	OJ990416_07.9B12.C7.o1.gs	Method	GENSCAN
Start	185	End	574
GI	none	Score	.43
Exons	185..574		

Seq. No.	19792	Seq. ID	OJ990416_07.9B12.C7
Gene No.	41304	Strand	+
Start	1	End	654
Name	OJ990416_07.9B12.C7.o1.gp	Method	AAT/GAP
Start	346	End	654
GI	25020_1.R1084	Score	443

Exons	346..654		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	19793	Seq. ID	OJ990416_07.9B12.C8
Gene No.	41305	Strand	+
Start	1	End	469
Name	OJ990416_07.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	469
GI	5042454	Score	89
Exons	1..101, 446..469		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19794	Seq. ID	OJ990416_07.9B12.C9
Gene No.	41306	Strand	-
Start	1	End	368
Name	OJ990416_07.9B12.C9.o1.gp	Method	AAT/GAP
Start	1	End	368
GI	3761524	Score	709
Exons	1..368		

Seq. No.	19794	Seq. ID	OJ990416_07.9B12.C9
Gene No.	41307	Strand	-
Start	314	End	581
Name	OJ990416_07.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	296	End	581
GI	none	Score	70
Exons	296..376, 308..580, 309..581		

Seq. No.	19794	Seq. ID	OJ990416_07.9B12.C9
Gene No.	41307	Strand	-
Start	314	End	581
Name	OJ990416_07.9B12.C9.o1.gs	Method	GENSCAN
Start	314	End	571
GI	none	Score	.8
Exons	314..571		

Seq. No.	19794	Seq. ID	OJ990416_07.9B12.C9
Gene No.	41307	Strand	-
Start	314	End	581
Name	OJ990416_07.9B12.C9.o1.np	Method	AAT/NAP
Start	317	End	581
GI	2239262	Score	401
Exons	317..581		
GI Descrip.	(Y13285) pectin methylesterase-like protein [Zea mays]		

Seq. No.	19794	Seq. ID	OJ990416_07.9B12.C9
Gene No.	41307	Strand	-
Start	314	End	581
Name	OJ990416_07.9B12.C9.o1.tc	Method	TBLASTX:Cress
Start	324	End	577
GI	none	Score	51
Exons	324..392, 326..406, 416..577, 417..470		

Seq. No.	19794	Seq. ID	OJ990416_07.9B12.C9

Gene No.	41307	Strand	-
Start	314	End	581
Name	OJ990416_07.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	326	End	577
GI	none	Score	212
Exons	326..367, 368..577		

Seq. No.	19795	Seq. ID	OJ990416_07.9B12.C10
Gene No.	41308	Strand	+
Start	1	End	805
Name	OJ990416_07.9B12.C10.o1.np	Method	AAT/NAP
Start	1	End	805
GI	2224911	Score	605
Exons	1..447, 759..805		
GI Descrip.	(U93048) somatic embryogenesis receptor-like kinase [Daucus carota]		

Seq. No.	19795	Seq. ID	OJ990416_07.9B12.C10
Gene No.	41308	Strand	+
Start	1	End	805
Name	OJ990416_07.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	29	End	446
GI	none	Score	669
Exons	29..187, 48..446, 48..446		

Seq. No.	19795	Seq. ID	OJ990416_07.9B12.C10
Gene No.	41308	Strand	+
Start	1	End	805
Name	OJ990416_07.9B12.C10.o1.ts	Method	TBLASTX:Soybean
Start	29	End	472
GI	none	Score	291
Exons	29..187, 32..427, 48..434, 48..431, 275..472		

Seq. No.	19795	Seq. ID	OJ990416_07.9B12.C10
Gene No.	41308	Strand	+
Start	1	End	805
Name	OJ990416_07.9B12.C10.o1.gs	Method	GENSCAN
Start	49	End	443
GI	none	Score	68
Exons	49..443		

Seq. No.	19795	Seq. ID	OJ990416_07.9B12.C10
Gene No.	41308	Strand	+
Start	1	End	805
Name	OJ990416_07.9B12.C10.o1.tw	Method	TBLASTX:Wheat
Start	69	End	389
GI	none	Score	314
Exons	69..383, 72..389		

Seq. No.	19795	Seq. ID	OJ990416_07.9B12.C10
Gene No.	41308	Strand	+
Start	1	End	805
Name	OJ990416_07.9B12.C10.o1.tc	Method	TBLASTX:Cress
Start	108	End	434
GI	none	Score	434
Exons	108..434, 110..187, 114..431		

Seq. No.	19795	Seq. ID	OJ990416_07.9B12.C10
Gene No.	41308	Strand	+
Start	1	End	805
Name	OJ990416_07.9B12.C10.o1.gp	Method	AAT/GAP
Start	170	End	447
GI	6421_1.R1084	Score	478
Exons	170..447		
GI Descrip.	'5091623/gb|AAD39611.1|AC007454_10 7.0e-90 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	19796	Seq. ID	OJ990416_07.9B12.C11
Gene No.	41309	Strand	-
Start	222	End	371
Name	OJ990416_07.9B12.C11.o1.gs	Method	GENSCAN
Start	222	End	371
GI	none	Score	.45
Exons	222..371		

Seq. No.	19797	Seq. ID	OJ990416_07.9B12.C13
Gene No.	41310	Strand	-
Start	1	End	429
Name	OJ990416_07.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	416
GI	6573748	Score	120
Exons	1..43, 160..416		
GI Descrip.	(AC009398) F20B24.12 [Arabidopsis thaliana]		

Seq. No.	19797	Seq. ID	OJ990416_07.9B12.C13
Gene No.	41310	Strand	-
Start	1	End	429
Name	OJ990416_07.9B12.C13.o1.gs	Method	GENSCAN
Start	73	End	429
GI	none	Score	.97
Exons	73..429		

Seq. No.	19798	Seq. ID	OJ990416_07.9B12.C15
Gene No.	41311	Strand	+
Start	1	End	1051
Name	OJ990416_07.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	1051
GI	5091623	Score	512
Exons	1..88, 212..283, 399..470, 552..654, 771..1051		
GI Descrip.	(AC007454) Similar to gb|U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF|00560 Leucine Rich Repeat domains and a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	19798	Seq. ID	OJ990416_07.9B12.C15
Gene No.	41311	Strand	+
Start	1	End	1051
Name	OJ990416_07.9B12.C15.o1.ts	Method	TBLASTX:Soybean
Start	2	End	923
GI	none	Score	68
Exons	2..88, 2..88, 3..89, 192..284, 216..248, 217..264, 255..287,		

399..470, 400..468, 534..587, 535..588, 767..910, 771..911, 840..923

Seq. No.	19798	Seq. ID	OJ990416_07.9B12.C15
Gene No.	41311	Strand	+
Start	1	End	1051
Name	OJ990416_07.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	3	End	594
GI	none	Score	120
Exons	3..89, 3..98, 4..111, 213..284, 214..252, 216..254, 233..283, 399..470, 400..468, 534..593, 535..594		

Seq. No.	19798	Seq. ID	OJ990416_07.9B12.C15
Gene No.	41311	Strand	+
Start	1	End	1051
Name	OJ990416_07.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	39	End	591
GI	none	Score	57
Exons	39..89, 192..284, 217..264, 236..280, 399..470, 400..468, 535..591, 549..590		

Seq. No.	19799	Seq. ID	OJ990416_07.9B12.C16
Gene No.	41312	Strand	+
Start	853	End	995
Name	OJ990416_07.9B12.C16.o1.gs	Method	GENSCAN
Start	853	End	995
GI	none	Score	.56
Exons	853..995		

Seq. No.	19800	Seq. ID	OJ990416_07.9B12.C18
Gene No.	41313	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C18.o1.np	Method	AAT/NAP
Start	1	End	839
GI	3080433	Score	426
Exons	1..65, 318..839		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	19800	Seq. ID	OJ990416_07.9B12.C18
Gene No.	41313	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C18.o1.tc	Method	TBLASTX:Cress
Start	320	End	787
GI	none	Score	466
Exons	320..523, 323..787, 328..786		

Seq. No.	19800	Seq. ID	OJ990416_07.9B12.C18
Gene No.	41313	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C18.o1.gs	Method	GENSCAN
Start	329	End	748
GI	none	Score	.45
Exons	329..748		

Seq. No.	19800	Seq. ID	OJ990416_07.9B12.C18
Gene No.	41313	Strand	+

Start	1	End	839
Name	OJ990416_07.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	357	End	757
GI	none	Score	56
Exons	357..521, 364..750, 365..757, 491..757		

Seq. No.	19800	Seq. ID	OJ990416_07.9B12.C18
Gene No.	41313	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	413	End	790
GI	none	Score	80
Exons	413..475, 473..790, 478..786		

Seq. No.	19800	Seq. ID	OJ990416_07.9B12.C18
Gene No.	41313	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C18.o1.gp	Method	AAT/GAP
Start	613	End	791
GI	25020_1.R1084	Score	332
Exons	613..791		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	19801	Seq. ID	OJ990416_07.9B12.C19
Gene No.	41314	Strand	+
Start	1	End	515
Name	OJ990416_07.9B12.C19.o1.np	Method	AAT/NAP
Start	1	End	195
GI	120661	Score	267
Exons	1..195		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE A, CHLOROPLAST PRECURSOR gi|170237 (M14417) glyceraldehyde-3-phosphate dehydrogenase A-subunit precursor [Nicotiana tabacum]		

Seq. No.	19801	Seq. ID	OJ990416_07.9B12.C19
Gene No.	41314	Strand	+
Start	1	End	515
Name	OJ990416_07.9B12.C19.o1.gp	Method	AAT/GAP
Start	39	End	515
GI	793_1.R1084	Score	912
Exons	39..515		
GI Descrip.	'120657/sp|P09315|G3PA_MAIZE 0.0e+00 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE A PRECURSOR, CHLOROPLAST >gi_66024_pir__DEZMG3 glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) (EC 1.2.1.13) A precursor, chloroplast - maize >gi_168479 (M18976) glyceraldehyde-3-phosphate dehydrogenase [Zea mays] >gi_763035_emb_CAA33455_ (X15408) glyceraldehyde-3-phosphate dehydrogenase [Z'		

Seq. No.	19801	Seq. ID	OJ990416_07.9B12.C19
Gene No.	41314	Strand	+
Start	1	End	515
Name	OJ990416_07.9B12.C19.o1.ts	Method	TBLASTX:Soybean
Start	39	End	201

GI	none	Score	264
Exons	39..200, 40..201		
Seq. No.	19801	Seq. ID	OJ990416_07.9B12.C19
Gene No.	41314	Strand	+
Start	1	End	515
Name	OJ990416_07.9B12.C19.o1.tc	Method	TBLASTX:Cress
Start	39	End	200
GI	none	Score	257
Exons	39..200, 40..198		
Seq. No.	19801	Seq. ID	OJ990416_07.9B12.C19
Gene No.	41314	Strand	+
Start	1	End	515
Name	OJ990416_07.9B12.C19.o1.tm	Method	TBLASTX:Maize
Start	39	End	192
GI	none	Score	255
Exons	39..191, 40..192, 40..192		
Seq. No.	19801	Seq. ID	OJ990416_07.9B12.C19
Gene No.	41314	Strand	+
Start	1	End	515
Name	OJ990416_07.9B12.C19.o1.gs	Method	GENSCAN
Start	48	End	198
GI	none	Score	.85
Exons	48..198		
Seq. No.	19802	Seq. ID	OJ990416_07.9B12.C20
Gene No.	41315	Strand	-
Start	319	End	598
Name	OJ990416_07.9B12.C20.o1.gs	Method	GENSCAN
Start	319	End	598
GI	none	Score	.95
Exons	319..385, 516..598		
Seq. No.	19802	Seq. ID	OJ990416_07.9B12.C20
Gene No.	41315	Strand	-
Start	319	End	598
Name	OJ990416_07.9B12.C20.o1.gp	Method	AAT/GAP
Start	334	End	591
GI	LIB3431-037-P1-K1-G3	Score	205
Exons	334..385, 516..591		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 7.0e-35 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	19803	Seq. ID	OJ990416_07.9B12.C21
Gene No.	41316	Strand	-
Start	1	End	639
Name	OJ990416_07.9B12.C21.o1.np	Method	AAT/NAP
Start	1	End	639
GI	5823579	Score	505
Exons	1..639		
GI Descrip.	(AJ132843) mitochondrial RNA helicase [Arabidopsis thaliana]		
Seq. No.	19803	Seq. ID	OJ990416_07.9B12.C21
Gene No.	41316	Strand	-
Start	1	End	639

Name	OJ990416_07.9B12.C21.o1.gs	Method	GENSCAN
Start	47	End	599
GI	none	Score	.96
Exons	47..599		

Seq. No.	19803	Seq. ID	OJ990416_07.9B12.C21
Gene No.	41316	Strand	-
Start	1	End	639
Name	OJ990416_07.9B12.C21.o1.tm	Method	TBLASTX:Maize
Start	57	End	356
GI	none	Score	92
Exons	57..308, 94..324, 267..356		

Seq. No.	19803	Seq. ID	OJ990416_07.9B12.C21
Gene No.	41316	Strand	-
Start	1	End	639
Name	OJ990416_07.9B12.C21.o1.ts	Method	TBLASTX:Soybean
Start	174	End	443
GI	none	Score	66
Exons	174..248, 267..443, 298..423		

Seq. No.	19804	Seq. ID	OJ990416_07.9B12.C22
Gene No.	41317	Strand	+
Start	166	End	506
Name	OJ990416_07.9B12.C22.o1.gs	Method	GENSCAN
Start	166	End	506
GI	none	Score	.6
Exons	166..236, 311..506		

Seq. No.	19805	Seq. ID	OJ990416_07.9B12.C23
Gene No.	41318	Strand	+
Start	128	End	471
Name	OJ990416_07.9B12.C23.o1.gs	Method	GENSCAN
Start	128	End	471
GI	none	Score	.6
Exons	128..201, 402..471		

Seq. No.	19806	Seq. ID	OJ990416_07.9B12.C24
Gene No.	41319	Strand	-
Start	1	End	750
Name	OJ990416_07.9B12.C24.o1.np	Method	AAT/NAP
Start	1	End	750
GI	3080434	Score	79
Exons	1..107, 644..750		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	19806	Seq. ID	OJ990416_07.9B12.C24
Gene No.	41319	Strand	-
Start	1	End	750
Name	OJ990416_07.9B12.C24.o1.gs	Method	GENSCAN
Start	644	End	718
GI	none	Score	.97
Exons	644..718		

Seq. No.	19807	Seq. ID	OJ990416_07.9B12.C26
Gene No.	41320	Strand	-

Start	129	End	815
Name	OJ990416_07.9B12.C26.o1.gs	Method	GENSCAN
Start	129	End	815
GI	none	Score	.85
Exons	129..193, 671..815		

Seq. No.	19808	Seq. ID	OJ990416_07.9B12.C29
Gene No.	41321	Strand	-
Start	258	End	578
Name	OJ990416_07.9B12.C29.o1.tw	Method	TBLASTX:Wheat
Start	256	End	503
GI	none	Score	141
Exons	256..375, 258..371, 426..503,	426..497, 449..502	

Seq. No.	19808	Seq. ID	OJ990416_07.9B12.C29
Gene No.	41321	Strand	-
Start	258	End	578
Name	OJ990416_07.9B12.C29.o1.gs	Method	GENSCAN
Start	258	End	458
GI	none	Score	.78
Exons	258..458		

Seq. No.	19808	Seq. ID	OJ990416_07.9B12.C29
Gene No.	41321	Strand	-
Start	258	End	578
Name	OJ990416_07.9B12.C29.o1.np	Method	AAT/NAP
Start	258	End	578
GI	4741197	Score	262
Exons	258..578		
GI Descrip.	(AL049746) aldose 1-epimerase-like protein [Arabidopsis thaliana]		

Seq. No.	19808	Seq. ID	OJ990416_07.9B12.C29
Gene No.	41321	Strand	-
Start	258	End	578
Name	OJ990416_07.9B12.C29.o1.tm	Method	TBLASTX:Maize
Start	261	End	488
GI	none	Score	161
Exons	261..374, 265..375, 426..488,	426..488	

Seq. No.	19808	Seq. ID	OJ990416_07.9B12.C29
Gene No.	41321	Strand	-
Start	258	End	578
Name	OJ990416_07.9B12.C29.o1.ts	Method	TBLASTX:Soybean
Start	262	End	491
GI	none	Score	123
Exons	262..375, 264..374, 426..491,	439..480	

Seq. No.	19809	Seq. ID	OJ990416_07.9B12.C30
Gene No.	41322	Strand	-
Start	143	End	210
Name	OJ990416_07.9B12.C30.o1.gs	Method	GENSCAN
Start	143	End	210
GI	none	Score	.77
Exons	143..210		

Seq. No.	19810	Seq. ID	OJ990416_07.9B12.C31

Gene No.	41323	Strand	-
Start	188	End	295
Name	OJ990416_07.9B12.C31.o1.gs	Method	GENSCAN
Start	188	End	295
GI	none	Score	.58
Exons	188..295		

Seq. No.	19811	Seq. ID	OJ990416_07.9B12.C33
Gene No.	41324	Strand	-
Start	309	End	467
Name	OJ990416_07.9B12.C33.o1.gs	Method	GENSCAN
Start	309	End	467
GI	none	Score	.52
Exons	309..467		

Seq. No.	19812	Seq. ID	OJ990416_07.9B12.C35
Gene No.	41325	Strand	-
Start	112	End	197
Name	OJ990416_07.9B12.C35.o1.gs	Method	GENSCAN
Start	112	End	197
GI	none	Score	.82
Exons	112..197		

Seq. No.	19813	Seq. ID	OJ990416_07.9B12.C36
Gene No.	41326	Strand	-
Start	1	End	821
Name	OJ990416_07.9B12.C36.o1.np	Method	AAT/NAP
Start	1	End	821
GI	6069664	Score	152
Exons	1..233, 585..821		
GI Descrip.	(AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		

Seq. No.	19814	Seq. ID	OJ990416_07.9B12.C37
Gene No.	41327	Strand	-
Start	1	End	507
Name	OJ990416_07.9B12.C37.o1.np	Method	AAT/NAP
Start	1	End	505
GI	2565436	Score	150
Exons	1..72, 288..505		
GI Descrip.	(AF028842) DegP protease precursor [Arabidopsis thaliana]		

Seq. No.	19814	Seq. ID	OJ990416_07.9B12.C37
Gene No.	41327	Strand	-
Start	1	End	507
Name	OJ990416_07.9B12.C37.o1.gs	Method	GENSCAN
Start	288	End	489
GI	none	Score	.7
Exons	288..489		

Seq. No.	19814	Seq. ID	OJ990416_07.9B12.C37
Gene No.	41327	Strand	-
Start	1	End	507
Name	OJ990416_07.9B12.C37.o1.tc	Method	TBLASTX:Cress
Start	290	End	505
GI	none	Score	45

Exons	290..346, 290..322, 344..505, 369..503		
Seq. No.	19814	Seq. ID	OJ990416_07.9B12.C37
Gene No.	41327	Strand	-
Start	1	End	507
Name	OJ990416_07.9B12.C37.o1.tm	Method	TBLASTX:Maize
Start	290	End	507
GI	none	Score	254
Exons	290..505, 307..507, 351..506, 370..507		
Seq. No.	19814	Seq. ID	OJ990416_07.9B12.C37
Gene No.	41327	Strand	-
Start	1	End	507
Name	OJ990416_07.9B12.C37.o1.ts	Method	TBLASTX:Soybean
Start	290	End	506
GI	none	Score	45
Exons	290..346, 290..322, 344..505, 357..506		
Seq. No.	19815	Seq. ID	OJ990416_07.9B12.C38
Gene No.	41328	Strand	+
Start	5210	End	6575
Name	OJ990416_07.9B12.C38.o2.gs	Method	GENSCAN
Start	5210	End	6564
GI	none	Score	.73
Exons	5210..5279, 5330..5376, 6144..6318, 6473..6564		
Seq. No.	19815	Seq. ID	OJ990416_07.9B12.C38
Gene No.	41328	Strand	+
Start	5210	End	6575
Name	OJ990416_07.9B12.C38.o2.np	Method	AAT/NAP
Start	5262	End	6575
GI	5777617	Score	85
Exons	5262..5348, 6473..6575		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	19815	Seq. ID	OJ990416_07.9B12.C38
Gene No.	41329	Strand	-
Start	1	End	5133
Name	OJ990416_07.9B12.C38.o1.np	Method	AAT/NAP
Start	1	End	5133
GI	2832642	Score	278
Exons	1..177, 323..392, 996..1213, 2000..2123, 2394..2466, 5054..5133		
GI Descrip.	(AL021710) putative protein [Arabidopsis thaliana]		
Seq. No.	19815	Seq. ID	OJ990416_07.9B12.C38
Gene No.	41329	Strand	-
Start	1	End	5133
Name	OJ990416_07.9B12.C38.o1.tc	Method	TBLASTX:Cress
Start	323	End	2472
GI	none	Score	45
Exons	323..394, 998..1054, 998..1030, 1052..1213, 1077..1211, 2407..2472		
Seq. No.	19815	Seq. ID	OJ990416_07.9B12.C38
Gene No.	41329	Strand	-
Start	1	End	5133
Name	OJ990416_07.9B12.C38.o1.ts	Method	TBLASTX:Soybean

Start	323	End	1214
GI	none	Score	45
Exons	323..394, 998..1054, 998..1030, 1052..1213, 1065..1214		

Seq. No.	19815	Seq. ID	OJ990416_07.9B12.C38
Gene No.	41329	Strand	-
Start	1	End	5133
Name	OJ990416_07.9B12.C38.o1.tm	Method	TBLASTX:Maize
Start	324	End	2282
GI	none	Score	96
Exons	324..395, 326..370, 366..392, 998..1213, 1015..1215, 1059..1214, 1078..1215, 1988..2071, 1990..2073, 1997..2071, 1999..2085, 2196..2252, 2196..2252, 2197..2256, 2200..2256, 2242..2274, 2249..2275, 2250..2282		

Seq. No.	19815	Seq. ID	OJ990416_07.9B12.C38
Gene No.	41329	Strand	-
Start	1	End	5133
Name	OJ990416_07.9B12.C38.o1.gs	Method	GENSCAN
Start	914	End	3891
GI	none	Score	.7
Exons	914..938, 996..1213, 2000..2066, 2372..2472, 2778..2876, 2975..3114, 3206..3324, 3755..3891		

Seq. No.	19815	Seq. ID	OJ990416_07.9B12.C38
Gene No.	41329	Strand	-
Start	1	End	5133
Name	OJ990416_07.9B12.C38.o1.gp	Method	AAT/GAP
Start	2015	End	3296
GI	LIB3431-037-P1-K1-G3	Score	776
Exons	2015..2066, 2197..2272, 2406..2472, 2778..2876, 2975..3057, 3206..3296		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 7.0e-35 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41330	Strand	+
Start	1	End	3976
Name	OJ990416_07.9B12.C39.o2.np	Method	AAT/NAP
Start	1	End	2547
GI	5823579	Score	963
Exons	1..90, 1033..2547		
GI Descrip.	(AJ132843) mitochondrial RNA helicase [Arabidopsis thaliana]		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41330	Strand	+
Start	1	End	3976
Name	OJ990416_07.9B12.C39.o1.gs	Method	GENSCAN
Start	490	End	3976
GI	none	Score	.7
Exons	490..2639, 3922..3976		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41331	Strand	+
Start	5611	End	8863
Name	OJ990416_07.9B12.C39.o3.gp	Method	AAT/GAP
Start	5455	End	7782

GI	26430_1.R1084	Score	1083
Exons	5455..5733, 6882..7004, 7120..7170, 7358..7429, 7509..7622, 7714..7782		
GI Descrip.	'2253411 6.0e-28 (AF007219) PP2A inhibitor [Tetraodon fluviatilis]'		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41331	Strand	+
Start	5611	End	8863
Name	OJ990416_07.9B12.C39.o2.gs	Method	GENSCAN
Start	5611	End	8848
GI	none	Score	.88
Exons	5611..5733, 6882..7004, 7120..7170, 7358..7429, 7509..7622, 7714..7775, 8150..8210, 8352..8408, 8498..8539, 8774..8848		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41331	Strand	+
Start	5611	End	8863
Name	OJ990416_07.9B12.C39.o3.np	Method	AAT/NAP
Start	5617	End	8863
GI	6730705	Score	525
Exons	5617..5733, 6882..7004, 7120..7170, 7358..7429, 7509..7622, 7714..7775, 8150..8210, 8349..8423, 8774..8863		
GI Descrip.	(AC011809) Putative phospatase 2A inhibitor [Arabidopsis thaliana]		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41332	Strand	-
Start	234	End	1505
Name	OJ990416_07.9B12.C39.o1.np	Method	AAT/NAP
Start	234	End	1505
GI	5777617	Score	78
Exons	234..467, 1416..1505		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41332	Strand	-
Start	234	End	1505
Name	OJ990416_07.9B12.C39.o1.gp	Method	AAT/GAP
Start	695	End	1001
GI	4968625	Score	585
Exons	695..1001		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o1.ts	Method	TBLASTX:Soybean
Start	826	End	1253
GI	none	Score	62
Exons	826..900, 982..1251, 990..1094, 1116..1253		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o2.tm	Method	TBLASTX:Maize
Start	982	End	1263
GI	none	Score	171

Exons	982..1140, 990..1181, 1062..1262, 1078..1263		
Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o3.ts	Method	TBLASTX:Soybean
Start	1369	End	1638
GI	none	Score	176
Exons	1369..1545, 1389..1514, 1564..1638		
Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o4.tm	Method	TBLASTX:Maize
Start	1488	End	1755
GI	none	Score	186
Exons	1488..1715, 1504..1755		
Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o2.ts	Method	TBLASTX:Soybean
Start	1813	End	2069
GI	none	Score	286
Exons	1813..2067, 1818..2069		
Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o1.tm	Method	TBLASTX:Maize
Start	2132	End	2623
GI	none	Score	399
Exons	2132..2482, 2133..2501, 2134..2610, 2137..2517, 2138..2623		
Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o1.tw	Method	TBLASTX:Wheat
Start	5608	End	8410
GI	none	Score	99
Exons	5608..5739, 6879..7004, 6879..7004, 6880..7005, 6881..7021, 7108..7173, 7354..7428, 7355..7429, 7356..7427, 7358..7429, 7508..7624, 7512..7622, 7521..7631, 7522..7623, 7731..7775, 8148..8213, 8349..8408, 8349..8408, 8350..8409, 8351..8410		
Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o3.tm	Method	TBLASTX:Maize
Start	5608	End	8410
GI	none	Score	103
Exons	5608..5739, 6879..7004, 6879..7004, 6880..7005, 6881..7021, 7108..7173, 7120..7173, 7121..7180, 7289..7312, 7358..7399, 7391..7429, 7508..7621, 7512..7622, 7531..7623, 8148..8213, 8349..8408, 8349..8408, 8350..8409, 8351..8410		
Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39

Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o1.tc	Method	TBLASTX:Cress
Start	5665	End	8408
GI	none	Score	86
Exons	5665..5745, 6870..6995, 6879..7004, 6884..7012, 7120..7173, 7354..7428, 7358..7426, 7512..7619, 7523..7621, 8349..8408		

Seq. No.	19816	Seq. ID	OJ990416_07.9B12.C39
Gene No.	41333	Strand	-
Start	9107	End	10299
Name	OJ990416_07.9B12.C39.o3.gs	Method	GENSCAN
Start	9107	End	10299
GI	none	Score	.52
Exons	9107..9121, 9220..9369, 10186..10299		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41334	Strand	+
Start	1	End	2040
Name	OJ990416_07.9B12.C40.o1.np	Method	AAT/NAP
Start	1	End	2037
GI	6665548	Score	345
Exons	1..210, 366..448, 1247..1323, 1893..2037		
GI Descrip.	(AC013289) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41334	Strand	+
Start	1	End	2040
Name	OJ990416_07.9B12.C40.o1.gs	Method	GENSCAN
Start	73	End	2040
GI	none	Score	.91
Exons	73..210, 362..448, 1247..1323, 1893..2040		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41335	Strand	+
Start	1980	End	2268
Name	OJ990416_07.9B12.C40.o1.gp	Method	AAT/GAP
Start	1980	End	2268
GI	none	Score	530
Exons	1980..2268		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41336	Strand	-
Start	3089	End	4646
Name	OJ990416_07.9B12.C40.o2.gp	Method	AAT/GAP
Start	2772	End	4646
GI	793_1.R1084	Score	2968
Exons	2772..3591, 3679..4231, 4331..4441, 4539..4646		
GI Descrip.	'120657/sp|P09315|G3PA_MAIZE 0.0e+00 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE A PRECURSOR, CHLOROPLAST >gi_66024_pir__DEZMG3 glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) (EC 1.2.1.13) A precursor, chloroplast - maize >gi_168479 (M18976) glyceraldehyde-3-phosphate dehydrogenase [Zea mays] >gi_763035_emb_CAA33455_ (X15408) glyceraldehyde-3-phosphate dehydrogenase [Z'		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40

Gene No.	41336	Strand	-
Start	3089	End	4646
Name	OJ990416_07.9B12.C40.o1.ts	Method	TBLASTX:Soybean
Start	3086	End	4442
GI	none	Score	489
Exons	3086..3592, 3087..3593, 3675..4112, 3677..4111, 4112..4231, 4116..4232, 4329..4442		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41336	Strand	-
Start	3089	End	4646
Name	OJ990416_07.9B12.C40.o1.tc	Method	TBLASTX:Cress
Start	3087	End	4478
GI	none	Score	483
Exons	3087..3593, 3089..3592, 3675..4112, 3677..4111, 4112..4231, 4116..4229, 4328..4375, 4332..4478		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41336	Strand	-
Start	3089	End	4646
Name	OJ990416_07.9B12.C40.o2.gs	Method	GENSCAN
Start	3089	End	4580
GI	none	Score	1
Exons	3089..3591, 3679..4231, 4331..4441, 4539..4580		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41336	Strand	-
Start	3089	End	4646
Name	OJ990416_07.9B12.C40.o2.np	Method	AAT/NAP
Start	3092	End	4580
GI	120657	Score	1896
Exons	3092..3591, 3679..4231, 4331..4444, 4539..4580		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE A, CHLOROPLAST PRECURSOR gi|66024|pir||DEZMG3 glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) (EC 1.2.1.13) A precursor, chloroplast - maize gi|168479 (M18976) glyceraldehyde-3-phosphate dehydrogenase [Zea mays] gi|763035|emb|CAA33455| (X15408) glyceraldehyde-3-phosphate dehydrogenase [Zea mays]		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41336	Strand	-
Start	3089	End	4646
Name	OJ990416_07.9B12.C40.o1.tm	Method	TBLASTX:Maize
Start	3095	End	4225
GI	none	Score	300
Exons	3095..3337, 3096..3338, 3300..3593, 3366..3497, 3383..3592, 3675..3758, 3677..3748, 3774..3806, 3804..4118, 3806..4117, 4112..4225, 4116..4214		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41336	Strand	-
Start	3089	End	4646
Name	OJ990416_07.9B12.C40.o1.tw	Method	TBLASTX:Wheat
Start	3102	End	3487
GI	none	Score	146
Exons	3102..3485, 3119..3487		

Seq. No.	19817	Seq. ID	OJ990416_07.9B12.C40
Gene No.	41336	Strand	-
Start	3089	End	4646
Name	OJ990416_07.9B12.C40.o2.tm	Method	TBLASTX:Maize
Start	4328	End	4593
GI	none	Score	176
Exons	4328..4381, 4329..4445, 4540..4593, 4540..4584		

Seq. No.	19818	Seq. ID	OJ990416_07.9B12.C41
Gene No.	41337	Strand	+
Start	143	End	3587
Name	OJ990416_07.9B12.C41.o1.gs	Method	GENSCAN
Start	143	End	3587
GI	none	Score	.58
Exons	143..294, 435..576, 696..853, 1034..1069, 1117..1308, 1579..1702, 3336..3587		

Seq. No.	19818	Seq. ID	OJ990416_07.9B12.C41
Gene No.	41338	Strand	-
Start	3803	End	4171
Name	OJ990416_07.9B12.C41.o1.gp	Method	AAT/GAP
Start	3668	End	4171
GI	1560_1.R1084	Score	756
Exons	3668..4004, 4095..4171		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 2.0e-09 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	19818	Seq. ID	OJ990416_07.9B12.C41
Gene No.	41338	Strand	-
Start	3803	End	4171
Name	OJ990416_07.9B12.C41.o2.gs	Method	GENSCAN
Start	3803	End	4004
GI	none	Score	.68
Exons	3803..4004		

Seq. No.	19819	Seq. ID	OJ990416_07.9B12.C42
Gene No.	41339	Strand	-
Start	89	End	340
Name	OJ990416_07.9B12.C42.o1.gs	Method	GENSCAN
Start	89	End	340
GI	none	Score	.47
Exons	89..340		

Seq. No.	19820	Seq. ID	OJ990416_07.9B12.C43
Gene No.	41340	Strand	+
Start	413	End	589
Name	OJ990416_07.9B12.C43.o1.gs	Method	GENSCAN
Start	413	End	589
GI	none	Score	.5
Exons	413..589		

Seq. No.	19821	Seq. ID	OJ990416_07.9B12.C44
Gene No.	41341	Strand	+
Start	1	End	677
Name	OJ990416_07.9B12.C44.o1.np	Method	AAT/NAP
Start	1	End	677

GI	4204793	Score	352
Exons	1..99; 240..677		
GI Descrip.	(U52079) P-glycoprotein [Solanum tuberosum]		

Seq. No.	19821	Seq. ID	OJ990416_07.9B12.C44
Gene No.	41341	Strand	+
Start	1	End	677
Name	OJ990416_07.9B12.C44.o1.tc	Method	TBLASTX:Cress
Start	243	End	674
GI	none	Score	343
Exons	243..368, 248..655, 255..674		

Seq. No.	19821	Seq. ID	OJ990416_07.9B12.C44
Gene No.	41341	Strand	+
Start	1	End	677
Name	OJ990416_07.9B12.C44.o1.tm	Method	TBLASTX:Maize
Start	243	End	677
GI	none	Score	94
Exons	243..521, 245..307, 245..568, 576..677	252..566, 567..677, 569..676,	

Seq. No.	19821	Seq. ID	OJ990416_07.9B12.C44
Gene No.	41341	Strand	+
Start	1	End	677
Name	OJ990416_07.9B12.C44.o1.gs	Method	GENSCAN
Start	246	End	637
GI	none	Score	.86
Exons	246..637		

Seq. No.	19821	Seq. ID	OJ990416_07.9B12.C44
Gene No.	41341	Strand	+
Start	1	End	677
Name	OJ990416_07.9B12.C44.o1.ts	Method	TBLASTX:Soybean
Start	323	End	677
GI	none	Score	418
Exons	323..628, 324..629, 630..677		

Seq. No.	19822	Seq. ID	OJ990416_07.9B12.C45
Gene No.	41342	Strand	+
Start	482	End	585
Name	OJ990416_07.9B12.C45.o1.gs	Method	GENSCAN
Start	482	End	585
GI	none	Score	.76
Exons	482..585		

Seq. No.	19823	Seq. ID	OJ990416_07.9B12.C46
Gene No.	41343	Strand	-
Start	226	End	759
Name	OJ990416_07.9B12.C46.o1.np	Method	AAT/NAP
Start	226	End	759
GI	6671365	Score	582
Exons	226..759		
GI Descrip.	(AF216497) P-glycoprotein [Gossypium hirsutum]		

Seq. No.	19823	Seq. ID	OJ990416_07.9B12.C46
Gene No.	41343	Strand	-
Start	226	End	759

Name	OJ990416_07.9B12.C46.o1.gs	Method	GENSCAN
Start	232	End	612
GI	none	Score	.99
Exons	232..612		

Seq. No.	19823	Seq. ID	OJ990416_07.9B12.C46
Gene No.	41343	Strand	-
Start	226	End	759
Name	OJ990416_07.9B12.C46.o1.tc	Method	TBLASTX:Cress
Start	241	End	759
GI	none	Score	40
Exons	241..282, 242..283, 277..327, 278..328, 322..390, 394..759, 395..757		

Seq. No.	19823	Seq. ID	OJ990416_07.9B12.C46
Gene No.	41343	Strand	-
Start	226	End	759
Name	OJ990416_07.9B12.C46.o1.tm	Method	TBLASTX:Maize
Start	257	End	757
GI	none	Score	531
Exons	257..757, 259..756, 572..757		

Seq. No.	19823	Seq. ID	OJ990416_07.9B12.C46
Gene No.	41343	Strand	-
Start	226	End	759
Name	OJ990416_07.9B12.C46.o1.ts	Method	TBLASTX:Soybean
Start	283	End	759
GI	none	Score	49
Exons	283..486, 373..456, 490..759, 491..751		

Seq. No.	19823	Seq. ID	OJ990416_07.9B12.C46
Gene No.	41343	Strand	-
Start	226	End	759
Name	OJ990416_07.9B12.C46.o1.tw	Method	TBLASTX:Wheat
Start	322	End	573
GI	none	Score	251
Exons	322..573, 323..565		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o1.np	Method	AAT/NAP
Start	1	End	1424
GI	99741	Score	748
Exons	1..22, 136..973, 1048..1424		
GI Descrip.	P-glycoprotein pgp1 - Arabidopsis thaliana		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o2.tc	Method	TBLASTX:Cress
Start	139	End	608
GI	none	Score	417
Exons	139..447, 183..428, 390..608, 439..504		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+

Start	1	End	1424
Name	OJ990416_07.9B12.C48.o1.tw	Method	TBLASTX:Wheat
Start	142	End	393
GI	none	Score	318
Exons	142..393, 183..389		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o1.gs	Method	GENSCAN
Start	148	End	1289
GI	none	Score	.88
Exons	148..973, 1126..1289		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o1.ts	Method	TBLASTX:Soybean
Start	150	End	432
GI	none	Score	76
Exons	150..302, 154..432, 183..431		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o1.tm	Method	TBLASTX:Maize
Start	216	End	1139
GI	none	Score	128
Exons	216..479, 216..977, 217..501, 510..875, 607..984, 1038..1139, 1040..1138		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o1.tc	Method	TBLASTX:Cress
Start	667	End	1289
GI	none	Score	427
Exons	667..984, 681..977, 1038..1289, 1040..1285		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o3.ts	Method	TBLASTX:Soybean
Start	670	End	972
GI	none	Score	200
Exons	670..972		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o1.gp	Method	AAT/GAP
Start	792	End	1234
GI	61339_1.R1084	Score	710
Exons	792..973, 1048..1234		
GI Descrip.	'4204793 3.0e-28 (U52079) P-glycoprotein [Solanum tuberosum]'		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48

Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o2.ts	Method	TBLASTX:Soybean
Start	1038	End	1289
GI	none	Score	355
Exons	1038..1289, 1046..1285		

Seq. No.	19824	Seq. ID	OJ990416_07.9B12.C48
Gene No.	41344	Strand	+
Start	1	End	1424
Name	OJ990416_07.9B12.C48.o2.tm	Method	TBLASTX:Maize
Start	1140	End	1289
GI	none	Score	223
Exons	1140..1289, 1142..1285		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41345	Strand	+
Start	1	End	5873
Name	OJ990416_07.9B12.C49.o1.np	Method	AAT/NAP
Start	1	End	5873
GI	419760	Score	2997
Exons	1..157, 245..420, 512..712, 1141..1400, 1499..1815, 1901..2124, 2304..3129, 3204..3445, 4619..5873		
GI Descrip.	P-glycoprotein atpgp1 - Arabidopsis thaliana gi|3849833|emb|CAA43646| (X61370) P-glycoprotein [Arabidopsis thaliana] gi|4883607|gb|AAD31576.1|AC006922_8 (AC006922) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41345	Strand	+
Start	1	End	5873
Name	OJ990416_07.9B12.C49.o1.gs	Method	GENSCAN
Start	81	End	5827
GI	none	Score	.85
Exons	81..157, 245..420, 512..712, 1141..1400, 1538..1815, 1901..2124, 2304..3129, 3282..3445, 3686..3882, 4058..4241, 4619..5827		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41345	Strand	+
Start	1	End	5873
Name	OJ990416_07.9B12.C49.o1.gp	Method	AAT/GAP
Start	2948	End	3390
GI	61339_1.R1084	Score	710
Exons	2948..3129, 3204..3390		
GI Descrip.	'4204793 3.0e-28 (U52079) P-glycoprotein [Solanum tuberosum]'		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41346	Strand	+
Start	8370	End	10076
Name	OJ990416_07.9B12.C49.o2.gs	Method	GENSCAN
Start	8370	End	10076
GI	none	Score	1
Exons	8370..10076		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41346	Strand	+
Start	8370	End	10076

Name	OJ990416_07.9B12.C49.o2.np	Method	AAT/NAP
Start	8373	End	10073
GI	2239262	Score	2412
Exons	8373..10073		
GI Descrip.	(Y13285) pectin methylesterase-like protein [Zea mays]		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41346	Strand	+
Start	8370	End	10076
Name	OJ990416_07.9B12.C49.o2.gp	Method	AAT/GAP
Start	8375	End	8874
GI	uC-osf1cyp052c05b1	Score	954
Exons	8375..8874		
GI Descrip.	'2239262/emb|CAA73733| 3.0e-22 (Y13285) pectin methylesterase-like protein [Zea mays]'		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41346	Strand	+
Start	8370	End	10076
Name	OJ990416_07.9B12.C49.o3.gp	Method	AAT/GAP
Start	9406	End	9862
GI	40115_1.R1084	Score	855
Exons	9406..9862		
GI Descrip.	'2239262/emb|CAA73733| 7.0e-60 (Y13285) pectin methylesterase-like protein [Zea mays]'		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41347	Strand	+
Start	10022	End	10388
Name	OJ990416_07.9B12.C49.o4.gp	Method	AAT/GAP
Start	10022	End	10388
GI	3761524	Score	692
Exons	10022..10388		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41348	Strand	+
Start	10788	End	12079
Name	OJ990416_07.9B12.C49.o3.gs	Method	GENSCAN
Start	10788	End	12079
GI	none	Score	.82
Exons	10788..10895, 11737..11799, 11936..12079		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o5.ts	Method	TBLASTX:Soybean
Start	241	End	435
GI	none	Score	194
Exons	241..435, 241..432, 316..342, 355..420		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o1.tc	Method	TBLASTX:Cress
Start	244	End	5812
GI	none	Score	206
Exons	244..438, 244..432, 339..434, 493..714, 503..715, 1125..1400,		

1135..1401, 1500..1817, 1623..1826, 1631..1816, 1631..1714,
1887..2141, 1897..2142, 1897..2148, 1899..2129, 1924..2142,
2292..2585, 2292..2594, 2339..2572, 2342..2593, 2597..2635,
2961..3122, 3188..3445, 3196..3417, 3242..3433, 4621..4995,
4628..5047, 4634..5812, 5066..5812, 5083..5793, 5083..5403,
5090..5410, 5453..5545, 5455..5769

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o6.ts	Method	TBLASTX:Soybean
Start	503	End	712
GI	none	Score	194
Exons	503..712, 514..711		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o4.tm	Method	TBLASTX:Maize
Start	533	End	4861
GI	none	Score	82
Exons	533..721, 3312..3389, 3322..3390, 3326..3445, 3328..3444, 4618..4680, 4618..4860, 4625..4861		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o5.tm	Method	TBLASTX:Maize
Start	1180	End	1304
GI	none	Score	214
Exons	1180..1302, 1180..1302, 1185..1304		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o1.ts	Method	TBLASTX:Soybean
Start	1563	End	5529
GI	none	Score	102
Exons	1563..1715, 1766..1825, 1785..1826, 1887..2141, 1897..2031, 4696..5001, 4697..5002, 5003..5518, 5024..5386, 5071..5529		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o2.tm	Method	TBLASTX:Maize
Start	1572	End	5802
GI	none	Score	139
Exons	1572..1820, 1637..1714, 1766..1807, 1887..2135, 1900..2031, 2298..2588, 2339..2584, 4862..5800, 4867..5019, 4949..5545, 5086..5802		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o2.tw	Method	TBLASTX:Wheat
Start	2298	End	5737
GI	none	Score	318

Exons	2298..2549, 2339..2545, 5486..5737, 5494..5736		
Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o3.ts	Method	TBLASTX:Soybean
Start	2306	End	5776
GI	none	Score	76
Exons	2306..2458, 2310..2588, 2339..2587, 5531..5776		
Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o3.tm	Method	TBLASTX:Maize
Start	2588	End	3295
GI	none	Score	90
Exons	2588..3133, 2589..2657, 2666..3031, 2763..3140, 3194..3295, 3196..3294		
Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o3.tc	Method	TBLASTX:Cress
Start	2822	End	2960
GI	none	Score	200
Exons	2822..2959, 2823..2960, 2910..2960		
Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o4.ts	Method	TBLASTX:Soybean
Start	3105	End	4696
GI	none	Score	40
Exons	3105..3140, 3194..3445, 3202..3441, 4618..4695, 4625..4696		
Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o1.tm	Method	TBLASTX:Maize
Start	8448	End	10094
GI	none	Score	820
Exons	8448..9020, 8453..9016, 9030..9128, 9062..9112, 9117..9248, 9119..10081, 9120..10082, 10014..10094		
Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o2.ts	Method	TBLASTX:Soybean
Start	8793	End	10067
GI	none	Score	65
Exons	8793..8894, 9062..9967, 9063..9986, 9993..10067		
Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o2.tc	Method	TBLASTX:Cress
Start	9063	End	10066

GI	none	Score	51
Exons	9063..9104, 9135..9974, 9137..9721, 9764..9874, 9920..9973, 9984..10064, 9998..10066		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o3.tw	Method	TBLASTX:Wheat
Start	9129	End	9410
GI	none	Score	205
Exons	9129..9410, 9129..9245, 9131..9397		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o1.tw	Method	TBLASTX:Wheat
Start	9413	End	9850
GI	none	Score	566
Exons	9413..9850, 9417..9848, 9665..9850		

Seq. No.	19825	Seq. ID	OJ990416_07.9B12.C49
Gene No.	41349	Strand	-
Start	12356	End	14733
Name	OJ990416_07.9B12.C49.o4.gs	Method	GENSCAN
Start	12356	End	14733
GI	none	Score	.48
Exons	12356..12642, 13852..13979, 14582..14733		

Seq. No.	19826	Seq. ID	OJ990416_07.9B12.C50
Gene No.	41350	Strand	-
Start	144	End	1932
Name	OJ990416_07.9B12.C50.o1.gs	Method	GENSCAN
Start	144	End	1721
GI	none	Score	.46
Exons	144..349, 733..1316, 1405..1512, 1598..1721		

Seq. No.	19826	Seq. ID	OJ990416_07.9B12.C50
Gene No.	41350	Strand	-
Start	144	End	1932
Name	OJ990416_07.9B12.C50.o2.tm	Method	TBLASTX:Maize
Start	665	End	935
GI	none	Score	232
Exons	665..895, 715..927, 879..935		

Seq. No.	19826	Seq. ID	OJ990416_07.9B12.C50
Gene No.	41350	Strand	-
Start	144	End	1932
Name	OJ990416_07.9B12.C50.o1.np	Method	AAT/NAP
Start	691	End	1932
GI	2739168	Score	609
Exons	691..1316, 1405..1512, 1598..1932		
GI Descrip.	(AF032386) aldose-1-epimerase-like protein [Nicotiana tabacum]		

Seq. No.	19826	Seq. ID	OJ990416_07.9B12.C50
Gene No.	41350	Strand	-
Start	144	End	1932
Name	OJ990416_07.9B12.C50.o1.tw	Method	TBLASTX:Wheat

Start	692	End	951
GI	none	Score	300
Exons	692..895, 694..936, 715..951		

Seq. No.	19826	Seq. ID	OJ990416_07.9B12.C50
Gene No.	41350	Strand	-
Start	144	End	1932
Name	OJ990416_07.9B12.C50.o1.ts	Method	TBLASTX:Soybean
Start	701	End	1721
GI	none	Score	107
Exons	701..898, 715..966, 937..993, 1093..1317, 1403..1513, 1404..1514, 1596..1721		

Seq. No.	19826	Seq. ID	OJ990416_07.9B12.C50
Gene No.	41350	Strand	-
Start	144	End	1932
Name	OJ990416_07.9B12.C50.o1.tm	Method	TBLASTX:Maize
Start	967	End	1721
GI	none	Score	58
Exons	967..1014, 968..1027, 1009..1317, 1013..1135, 1159..1191, 1184..1318, 1391..1513, 1404..1514, 1596..1721, 1597..1719		

Seq. No.	19826	Seq. ID	OJ990416_07.9B12.C50
Gene No.	41350	Strand	-
Start	144	End	1932
Name	OJ990416_07.9B12.C50.o1.tc	Method	TBLASTX:Cress
Start	1153	End	1709
GI	none	Score	78
Exons	1153..1317, 1184..1318, 1403..1513, 1404..1514, 1596..1709		

Seq. No.	19827	Seq. ID	OJ990416_07.9B12.C51
Gene No.	41351	Strand	+
Start	3990	End	5627
Name	OJ990416_07.9B12.C51.o3.gs	Method	GENSCAN
Start	3990	End	5627
GI	none	Score	.63
Exons	3990..4075, 4822..4912, 5332..5413, 5533..5627		

Seq. No.	19827	Seq. ID	OJ990416_07.9B12.C51
Gene No.	41352	Strand	-
Start	1	End	2100
Name	OJ990416_07.9B12.C51.o1.np	Method	AAT/NAP
Start	1	End	2085
GI	2739168	Score	281
Exons	1..130, 216..339, 1769..1818, 1914..2085		
GI Descrip.	(AF032386) aldose-1-epimerase-like protein [Nicotiana tabacum]		

Seq. No.	19827	Seq. ID	OJ990416_07.9B12.C51
Gene No.	41352	Strand	-
Start	1	End	2100
Name	OJ990416_07.9B12.C51.o1.gs	Method	GENSCAN
Start	23	End	2100
GI	none	Score	.89
Exons	23..130, 216..339, 1769..1818, 1914..2100		

Seq. No.	19827	Seq. ID	OJ990416_07.9B12.C51
Gene No.	41353	Strand	-

Start	2322	End	6280
Name	OJ990416_07.9B12.C51.o1.tm	Method	TBLASTX:Maize
Start	9	End	2017
GI	none	Score	146
Exons	9..131, 22..132, 214..339, 215..337, 1761..1820, 1769..1819, 1891..2013, 1913..2017		

Seq. No.	19827	Seq. ID	OJ990416_07.9B12.C51
Gene No.	41353	Strand	-
Start	2322	End	6280
Name	OJ990416_07.9B12.C51.o1.ts	Method	TBLASTX:Soybean
Start	21	End	6280
GI	none	Score	95
Exons	21..131, 22..132, 214..339, 1876..2016, 1904..2005, 6218..6280		

Seq. No.	19827	Seq. ID	OJ990416_07.9B12.C51
Gene No.	41353	Strand	-
Start	2322	End	6280
Name	OJ990416_07.9B12.C51.o2.gs	Method	GENSCAN
Start	2322	End	3479
GI	none	Score	.74
Exons	2322..2517, 2792..3076, 3424..3479		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41354	Strand	+
Start	6370	End	7015
Name	OJ990416_07.9B12.C52.o2.gp	Method	AAT/GAP
Start	6370	End	7015
GI	4813_2.R1084	Score	1209
Exons	6370..7015		
GI Descrip.	'4586107/emb|CAB40943.1| 1.0e-26 (AL049638) putative disease resistance protein [Arabidopsis thaliana]'		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41355	Strand	-
Start	370	End	6158
Name	OJ990416_07.9B12.C52.o1.np	Method	AAT/NAP
Start	367	End	6158
GI	2739168	Score	770
Exons	367..662, 714..1034, 3201..3308, 3402..3525, 4622..4671, 4785..4902, 6114..6158		
GI Descrip.	(AF032386) aldose-1-epimerase-like protein [Nicotiana tabacum]		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41355	Strand	-
Start	370	End	6158
Name	OJ990416_07.9B12.C52.o1.gs	Method	GENSCAN
Start	370	End	1423
GI	none	Score	.96
Exons	370..1034, 1318..1423		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41355	Strand	-
Start	370	End	6158
Name	OJ990416_07.9B12.C52.o2.gs	Method	GENSCAN
Start	2352	End	4980
GI	none	Score	.81

Exons	2352..2446, 3201..3308, 3339..3525, 4622..4671, 4785..4980		
Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41355	Strand	-
Start	370	End	6158
Name	OJ990416_07.9B12.C52.o1.gp	Method	AAT/GAP
Start	4727	End	5128
GI	3768019	Score	555
Exons	4727..5128		
Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o1.tw	Method	TBLASTX:Wheat
Start	368	End	15416
GI	none	Score	141
Exons	368..487, 370..483, 538..615, 538..609, 561..614, 15285..15416		
Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o5.tm	Method	TBLASTX:Maize
Start	373	End	600
GI	none	Score	161
Exons	373..486, 377..487, 538..600, 538..600		
Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o2.ts	Method	TBLASTX:Soybean
Start	376	End	4878
GI	none	Score	81
Exons	376..486, 377..487, 538..606, 545..604, 739..1035, 752..1036, 3199..3309, 3200..3253, 3376..3525, 3377..3511, 4625..4723, 4641..4673, 4780..4878, 4784..4876		
Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o2.tm	Method	TBLASTX:Maize
Start	742	End	4902
GI	none	Score	42
Exons	742..783, 746..784, 799..1035, 815..1036, 3199..3246, 3200..3244, 3241..3309, 3242..3286, 3376..3525, 3401..3514, 4604..4714, 4622..4672, 4767..4865, 4783..4878, 4784..4882, 4789..4902		
Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o2.tc	Method	TBLASTX:Cress
Start	805	End	3309
GI	none	Score	55
Exons	805..1035, 809..886, 902..1036, 3199..3240, 3259..3309		
Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-

Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o3.tm	Method	TBLASTX:Maize
Start	6364	End	6729
GI	none	Score	156
Exons	6364..6504, 6364..6480, 6372..6485, 6466..6549, 6488..6547, 6499..6549, 6538..6630, 6540..6644, 6541..6636, 6573..6728, 6610..6729		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o3.gs	Method	GENSCAN
Start	6372	End	19862
GI	none	Score	.42
Exons	6372..8014, 8114..8272, 10981..11297, 11898..11956, 12009..12175, 12640..12769, 13346..13496, 15404..15711, 15998..16114, 17350..17822, 18083..18115, 18990..19188, 19797..19862		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o2.np	Method	AAT/NAP
Start	6380	End	7902
GI	6692098	Score	1148
Exons	6380..6646, 6718..7676, 7770..7902		
GI Descrip.	(AC007764) F22C12.10 [Arabidopsis thaliana]		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o1.ts	Method	TBLASTX:Soybean
Start	6397	End	7560
GI	none	Score	66
Exons	6397..6459, 6666..6776, 6729..6806, 6730..6807, 6741..7538, 6784..6843, 6790..6843, 6790..6843, 6816..7208, 6886..6963, 6886..7005, 6892..7305, 6895..6987, 6916..7005, 6925..7053, 6958..7230, 7014..7199, 7015..7155, 7015..7227, 7015..7308, 7015..7302, 7027..7302, 7089..7559, 7090..7308, 7102..7272, 7193..7429, 7263..7313, 7348..7536, 7348..7539, 7348..7554, 7351..7527, 7366..7560, 7366..7560, 7401..7559, 7402..7554, 7405..7554, 7477..7560		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o3.np	Method	AAT/NAP
Start	6686	End	20183
GI	81286	Score	198
Exons	6686..6855, 10652..10825, 10896..11010, 17976..18252, 20088..20183		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183

Name	OJ990416_07.9B12.C52.o1.tm	Method	TBLASTX:Maize
Start	6729	End	8267
GI	none	Score	63
Exons	6729..6806, 6729..6779, 6729..6806, 6729..6779, 6730..6807, 6792..6923, 6792..6875, 6792..6902, 6798..6974, 6807..7004, 6828..6950, 6895..6975, 6909..7004, 6916..7005, 7014..7205, 7014..7166, 7015..7134, 7026..7109, 7027..7110, 7033..7206, 7039..7269, 7041..7307, 7047..7184, 7114..7308, 7116..7412, 7137..7259, 7150..7260, 7189..7311, 7191..7457, 7193..7432, 7206..7334, 7216..7308, 7266..7532, 7287..7409, 7341..7559, 7362..7484, 7366..7554, 7369..7533, 7372..7467, 7425..7583, 7434..7583, 7435..7611, 7576..7674, 7585..7689, 7587..7691, 7686..7985, 7764..7964, 7771..7971, 8011..8181, 8012..8182, 8016..8183, 8016..8189, 8175..8267, 8179..8265		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o1.tc	Method	TBLASTX:Cress
Start	6783	End	7560
GI	none	Score	59
Exons	6783..7559, 6784..6837, 6790..6843, 6793..6930, 6793..6843, 6816..7277, 6886..7305, 6886..6999, 6895..6987, 6958..6996, 7014..7427, 7015..7104, 7015..7308, 7015..7158, 7015..7308, 7024..7254, 7027..7239, 7027..7308, 7035..7244, 7046..7522, 7090..7308, 7100..7264, 7102..7272, 7189..7302, 7337..7531, 7348..7554, 7348..7527, 7348..7500, 7351..7554, 7351..7527, 7371..7559, 7390..7554, 7399..7560		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o3.gp	Method	AAT/GAP
Start	8253	End	10808
GI	none	Score	922
Exons	8253..8583, 10659..10808		

Seq. No.	19828	Seq. ID	OJ990416_07.9B12.C52
Gene No.	41356	Strand	-
Start	6372	End	20183
Name	OJ990416_07.9B12.C52.o4.tm	Method	TBLASTX:Maize
Start	8335	End	8555
GI	none	Score	209
Exons	8335..8535, 8336..8548, 8342..8548, 8343..8555		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41357	Strand	+
Start	6305	End	23280
Name	OJ990416_07.9B12.C53.o1.gp	Method	AAT/GAP
Start	6094	End	7955
GI	uC-osrocyp016g01b1	Score	947
Exons	6094..6407, 7638..7770, 7863..7955		
GI Descrip.	'5091623/gb|AAD39611.1|AC007454_10 9.0e-27 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41357	Strand	+
Start	6305	End	23280
Name	OJ990416_07.9B12.C53.o2.gs	Method	GENSCAN
Start	6305	End	22785
GI	none	Score	.58
Exons	6305..6407, 6699..6731, 7638..7770, 7863..7934, 8145..8288, 8752..8864, 8984..9112, 9193..9384, 9864..10258, 10617..10924, 11961..12218, 12223..12333, 12656..12740, 12890..13039, 13615..13716, 15430..15487, 17967..18307, 20849..21364, 21545..21780, 21915..22179, 22316..22453, 22564..22785		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41357	Strand	+
Start	6305	End	23280
Name	OJ990416_07.9B12.C53.o1.np	Method	AAT/NAP
Start	7543	End	10925
GI	5091623	Score	2392
Exons	7543..7770, 7863..7934, 8145..8288, 8412..8483, 8599..8670, 8752..8854, 8971..9112, 9193..9534, 9864..10258, 10617..10925		
GI Descrip.	(AC007454) Similar to gb|U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF|00560 Leucine Rich Repeat domains and a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41357	Strand	+
Start	6305	End	23280
Name	OJ990416_07.9B12.C53.o2.gp	Method	AAT/GAP
Start	8986	End	9475
GI	LIB3432-051-P1-K1-B5	Score	746
Exons	8986..9112, 9193..9475		
GI Descrip.	'4490310/emb|CAB38801.1| 2.0e-50 (AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41357	Strand	+
Start	6305	End	23280
Name	OJ990416_07.9B12.C53.o3.gp	Method	AAT/GAP
Start	9985	End	11031
GI	6421_1.R1084	Score	1270
Exons	9985..10258, 10617..11031		
GI Descrip.	'5091623/gb|AAD39611.1|AC007454_10 7.0e-90 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41357	Strand	+
Start	6305	End	23280
Name	OJ990416_07.9B12.C53.o4.np	Method	AAT/NAP
Start	17984	End	22782
GI	3080433	Score	1746
Exons	17984..18322, 20849..21364, 21545..21780, 21915..22179,		

	22316..22453, 22564..22782		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		
Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41357	Strand	+
Start	6305	End	23280
Name	OJ990416_07.9B12.C53.o5.gp	Method	AAT/GAP
Start	21136	End	21773
GI	25020_1.R1084	Score	881
Exons	21136..21364, 21545..21773		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		
Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41357	Strand	+
Start	6305	End	23280
Name	OJ990416_07.9B12.C53.o6.gp	Method	AAT/GAP
Start	22634	End	23280
GI	5455327	Score	1192
Exons	22634..23280		
GI Descrip.	4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds		
Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41358	Strand	+
Start	24512	End	24969
Name	OJ990416_07.9B12.C53.o7.gp	Method	AAT/GAP
Start	24512	End	24969
GI	2429055	Score	889
Exons	24512..24969		
Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41359	Strand	+
Start	26002	End	26503
Name	OJ990416_07.9B12.C53.o4.gs	Method	GENSCAN
Start	26002	End	26503
GI	none	Score	.53
Exons	26002..26166, 26441..26503		
Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41360	Strand	-
Start	11062	End	11246
Name	OJ990416_07.9B12.C53.o4.gp	Method	AAT/GAP
Start	11062	End	11246
GI	none	Score	342
Exons	11062..11246		
Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o2.tw	Method	TBLASTX:Wheat
Start	7619	End	8484

GI	none	Score	179
Exons	7619..7747, 7636..7761, 7649..7792, 7858..7956, 8140..8289, 8146..8301, 8392..8484		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o4.tm	Method	TBLASTX:Maize
Start	7622	End	8794
GI	none	Score	201
Exons	7622..7759, 7630..7770, 7635..7769, 7637..7786, 7684..7779, 7858..7956, 7858..7947, 7863..7952, 8140..8289, 8145..8357, 8164..8310, 8169..8288, 8413..8484, 8414..8452, 8416..8454, 8433..8483, 8599..8670, 8600..8668, 8734..8793, 8735..8794		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o4.tc	Method	TBLASTX:Cress
Start	7629	End	8484
GI	none	Score	193
Exons	7629..7760, 7636..7770, 7637..7756, 7637..7783, 7857..7976, 7858..7956, 8140..8289, 8146..8301, 8169..8264, 8413..8484		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o7.ts	Method	TBLASTX:Soybean
Start	7636	End	7890
GI	none	Score	191
Exons	7636..7770, 7637..7756, 7649..7783, 7858..7890		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o3.ts	Method	TBLASTX:Soybean
Start	7894	End	8788
GI	none	Score	72
Exons	7894..7956, 8140..8289, 8140..8256, 8169..8288, 8392..8484, 8417..8464, 8455..8487, 8599..8670, 8600..8668, 8734..8787, 8735..8788		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o1.ts	Method	TBLASTX:Soybean
Start	8982	End	10667
GI	none	Score	94
Exons	8982..9110, 9032..9112, 9034..9123, 9061..9111, 9191..9532, 9192..9533, 9218..9535, 9616..9657, 9844..10002, 9846..10094, 9847..10242, 9863..10249, 9863..10246, 10090..10287, 10617..10667, 10617..10661		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o1.tm	Method	TBLASTX:Maize

Start	9034	End	10928
GI	none	Score	94
Exons	9034..9123, 9061..9111, 9191..9532, 9192..9533, 9293..9535, 9616..9657, 9844..10002, 9846..10094, 9863..10261, 9863..10261, 10617..10928, 10617..10661, 10682..10927		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o3.tc	Method	TBLASTX:Cress
Start	9159	End	9533
GI	none	Score	421
Exons	9159..9533, 9206..9526		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o1.tw	Method	TBLASTX:Wheat
Start	9884	End	10204
GI	none	Score	314
Exons	9884..10198, 9887..10204		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o2.tc	Method	TBLASTX:Cress
Start	9923	End	10808
GI	none	Score	434
Exons	9923..10249, 9925..10002, 9929..10246, 10617..10808		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o3.tw	Method	TBLASTX:Wheat
Start	10617	End	10928
GI	none	Score	202
Exons	10617..10829, 10691..10828, 10863..10928		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o4.ts	Method	TBLASTX:Soybean
Start	10668	End	10946
GI	none	Score	283
Exons	10668..10868, 10670..10858, 10863..10946, 10868..10927		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41361	Strand	-
Start	14123	End	14289
Name	OJ990416_07.9B12.C53.o3.np	Method	AAT/NAP
Start	14123	End	14289
GI	5902376	Score	120
Exons	14123..14289		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41362	Strand	

Start	18088	End	22799
Name	OJ990416_07.9B12.C53.o1.tc	Method	TBLASTX:Cress
Start	18088	End	22785
GI	none	Score	65
Exons	18088..18120, 18089..18187, 18184..18222, 18211..18300, 18230..18307, 20843..21046, 20846..21367, 20851..21366, 21596..21778, 21598..21783, 21912..22118, 21916..22071, 22101..22181, 22123..22179, 22315..22440, 22316..22459, 22561..22734, 22563..22694, 22735..22785, 22740..22778		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41362	Strand	
Start	18088	End	22799
Name	OJ990416_07.9B12.C53.o2.tm	Method	TBLASTX:Maize
Start	20887	End	21280
GI	none	Score	470
Exons	20887..21273, 20888..21280, 21014..21280		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41362	Strand	
Start	18088	End	22799
Name	OJ990416_07.9B12.C53.o2.ts	Method	TBLASTX:Soybean
Start	20936	End	21782
GI	none	Score	80
Exons	20936..20998, 20996..21376, 21001..21345, 21535..21735, 21545..21736, 21725..21781, 21741..21782		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41362	Strand	
Start	18088	End	22799
Name	OJ990416_07.9B12.C53.o5.tm	Method	TBLASTX:Maize
Start	21685	End	22028
GI	none	Score	160
Exons	21685..21783, 21686..21781, 21692..21793, 21883..22026, 21912..22025, 21912..22028, 21913..22026		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41362	Strand	
Start	18088	End	22799
Name	OJ990416_07.9B12.C53.o6.ts	Method	TBLASTX:Soybean
Start	21912	End	22179
GI	none	Score	180
Exons	21912..22172, 21913..22071, 22123..22179		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41362	Strand	
Start	18088	End	22799
Name	OJ990416_07.9B12.C53.o3.tm	Method	TBLASTX:Maize
Start	22065	End	22799
GI	none	Score	67
Exons	22065..22166, 22123..22173, 22296..22457, 22307..22459, 22315..22458, 22554..22667, 22561..22668, 22561..22689, 22666..22782, 22669..22791, 22674..22799		

Seq. No.	19829	Seq. ID	OJ990416_07.9B12.C53
Gene No.	41362	Strand	
Start	18088	End	22799

Name	OJ990416_07.9B12.C53.o5.ts	Method	TBLASTX:Soybean
Start	22301	End	22776
GI	none	Score	123
Exons	22301..22459, 22313..22453, 22561..22722, 22563..22613, 22723..22776, 22728..22775		

Seq. No.	19830	Seq. ID	OJ990416_07.9B12.C54
Gene No.	41363	Strand	+
Start	2825	End	4919
Name	OJ990416_07.9B12.C54.o1.gp	Method	AAT/GAP
Start	2825	End	4919
GI	LIB3477-003-P1-K1-E9	Score	87
Exons	2825..2852, 4865..4919		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19830	Seq. ID	OJ990416_07.9B12.C54
Gene No.	41364	Strand	+
Start	8122	End	9631
Name	OJ990416_07.9B12.C54.o3.gs	Method	GENSCAN
Start	8122	End	9631
GI	none	Score	.45
Exons	8122..8183, 8415..8589, 8777..8963, 9305..9490, 9531..9631		

Seq. No.	19830	Seq. ID	OJ990416_07.9B12.C54
Gene No.	41365	Strand	-
Start	1	End	2059
Name	OJ990416_07.9B12.C54.o1.np	Method	AAT/NAP
Start	1	End	2059
GI	6069664	Score	592
Exons	1..187, 440..878, 1230..1344, 1492..1556, 1887..2059		
GI Descrip.	(AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		

Seq. No.	19830	Seq. ID	OJ990416_07.9B12.C54
Gene No.	41365	Strand	-
Start	1	End	2059
Name	OJ990416_07.9B12.C54.o1.gs	Method	GENSCAN
Start	71	End	2032
GI	none	Score	.71
Exons	71..187, 303..407, 440..781, 1523..1556, 1887..2032		

Seq. No.	19830	Seq. ID	OJ990416_07.9B12.C54
Gene No.	41366	Strand	-
Start	2944	End	3443
Name	OJ990416_07.9B12.C54.o2.gs	Method	GENSCAN
Start	2944	End	3443
GI	none	Score	.87
Exons	2944..2969, 3437..3443		

Seq. No.	19830	Seq. ID	OJ990416_07.9B12.C54
Gene No.	41367	Strand	-
Start	7761	End	8622
Name	OJ990416_07.9B12.C54.o1.tm	Method	TBLASTX:Maize
Start	567	End	868

GI	none	Score	62
Exons	567..668, 569..667, 755..868, 756..866		

Seq. No.	19830	Seq. ID	OJ990416_07.9B12.C54
Gene No.	41367	Strand	-
Start	7761	End	8622
Name	OJ990416_07.9B12.C54.o2.np	Method	AAT/NAP
Start	7761	End	8622
GI	5922623	Score	201
Exons	7761..7836, 8003..8158, 8539..8622		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19831	Seq. ID	OJ990416_07.9B12.C55
Gene No.	41368	Strand	+
Start	1	End	1960
Name	OJ990416_07.9B12.C55.o1.np	Method	AAT/NAP
Start	1	End	1960
GI	6226739	Score	220
Exons	1..321, 1369..1528, 1868..1960		
GI Descrip.	HYPOTHETICAL OXIDOREDUCTASE C23D3.11 IN CHROMOSOME I gi|4160354|emb|CAA91246.1| (Z64354) putative dehydrogenase [Schizosaccharomyces pombe]		

Seq. No.	19831	Seq. ID	OJ990416_07.9B12.C55
Gene No.	41368	Strand	+
Start	1	End	1960
Name	OJ990416_07.9B12.C55.o1.tm	Method	TBLASTX:Maize
Start	3	End	1960
GI	none	Score	413
Exons	3..323, 6..260, 254..322, 292..324, 1367..1528, 1368..1529, 1368..1535, 1372..1545, 1866..1958, 1886..1960		

Seq. No.	19831	Seq. ID	OJ990416_07.9B12.C55
Gene No.	41368	Strand	+
Start	1	End	1960
Name	OJ990416_07.9B12.C55.o1.ts	Method	TBLASTX:Soybean
Start	3	End	266
GI	none	Score	219
Exons	3..266, 6..254		

Seq. No.	19831	Seq. ID	OJ990416_07.9B12.C55
Gene No.	41368	Strand	+
Start	1	End	1960
Name	OJ990416_07.9B12.C55.o1.gs	Method	GENSCAN
Start	51	End	1954
GI	none	Score	.77
Exons	51..321, 1369..1528, 1868..1954		

Seq. No.	19831	Seq. ID	OJ990416_07.9B12.C55
Gene No.	41368	Strand	+
Start	1	End	1960
Name	OJ990416_07.9B12.C55.o1.tc	Method	TBLASTX:Cress
Start	1367	End	1958
GI	none	Score	206
Exons	1367..1534, 1368..1529, 1439..1531, 1866..1958		

Seq. No.	19832	Seq. ID	OJ990416_07.9B12.C57
Gene No.	41369	Strand	-
Start	510	End	579
Name	OJ990416_07.9B12.C57.o1.gs	Method	GENSCAN
Start	510	End	579
GI	none	Score	.85
Exons	510..579		

Seq. No.	19833	Seq. ID	OJ990416_07.9B12.C58
Gene No.	41370	Strand	+
Start	586	End	786
Name	OJ990416_07.9B12.C58.o1.gs	Method	GENSCAN
Start	586	End	708
GI	none	Score	1
Exons	586..708		

Seq. No.	19833	Seq. ID	OJ990416_07.9B12.C58
Gene No.	41370	Strand	+
Start	586	End	786
Name	OJ990416_07.9B12.C58.o1.np	Method	AAT/NAP
Start	592	End	786
GI	6730705	Score	73
Exons	592..786		
GI Descrip.	(AC011809) Putative phospatase 2A inhibitor [Arabidopsis thaliana]		

Seq. No.	19834	Seq. ID	OJ990416_07.9B12.C60
Gene No.	41371	Strand	-
Start	339	End	410
Name	OJ990416_07.9B12.C60.o1.gs	Method	GENSCAN
Start	339	End	410
GI	none	Score	.71
Exons	339..410		

Seq. No.	19835	Seq. ID	OJ990416_07.9B12.C61
Gene No.	41372	Strand	+
Start	197	End	789
Name	OJ990416_07.9B12.C61.o1.gs	Method	GENSCAN
Start	197	End	789
GI	none	Score	.56
Exons	197..339, 469..506, 662..789		

Seq. No.	19835	Seq. ID	OJ990416_07.9B12.C61
Gene No.	41373	Strand	-
Start	1580	End	1984
Name	OJ990416_07.9B12.C61.o2.gs	Method	GENSCAN
Start	1580	End	1984
GI	none	Score	.71
Exons	1580..1897, 1925..1984		

Seq. No.	19836	Seq. ID	OJ990416_07.9B12.C62
Gene No.	41374	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C62.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	61339_1.R1084	Score	444

Exons	1..51, 126..312		
GI Descrip.	'4204793 3.0e-28 (U52079) P-glycoprotein [Solanum tuberosum]'		
Seq. No.	19836	Seq. ID	OJ990416_07.9B12.C62
Gene No.	41374	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C62.o1.np	Method	AAT/NAP
Start	1	End	839
GI	4204793	Score	206
Exons	1..51, 126..376, 620..839		
GI Descrip.	(U52079) P-glycoprotein [Solanum tuberosum]		
Seq. No.	19836	Seq. ID	OJ990416_07.9B12.C62
Gene No.	41374	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C62.o1.tc	Method	TBLASTX:Cress
Start	2	End	367
GI	none	Score	77
Exons	2..55, 3..62, 116..367, 118..363		
Seq. No.	19836	Seq. ID	OJ990416_07.9B12.C62
Gene No.	41374	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C62.o1.gs	Method	GENSCAN
Start	6	End	367
GI	none	Score	.65
Exons	6..51, 204..367		
Seq. No.	19836	Seq. ID	OJ990416_07.9B12.C62
Gene No.	41374	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C62.o1.ts	Method	TBLASTX:Soybean
Start	116	End	367
GI	none	Score	355
Exons	116..367, 124..363		
Seq. No.	19836	Seq. ID	OJ990416_07.9B12.C62
Gene No.	41374	Strand	+
Start	1	End	839
Name	OJ990416_07.9B12.C62.o1.tm	Method	TBLASTX:Maize
Start	142	End	367
GI	none	Score	337
Exons	142..363, 143..367, 149..367		
Seq. No.	19837	Seq. ID	OJ990416_07.9B12.C64
Gene No.	41375	Strand	+
Start	1	End	686
Name	OJ990416_07.9B12.C64.o1.np	Method	AAT/NAP
Start	1	End	686
GI	6069663	Score	203
Exons	1..43, 296..447, 546..686		
GI Descrip.	(AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]		
Seq. No.	19838	Seq. ID	OJ990416_07.9B12.C72

Gene No.	41376	Strand	
Start	1	End	269
Name	OJ990416_07.9B12.C72.o1.tm	Method	TBLASTX:Maize
Start	1	End	269
GI	none	Score	196
Exons	1..219, 2..220, 198..269, 200..268		

Seq. No.	19838	Seq. ID	OJ990416_07.9B12.C72
Gene No.	41376	Strand	
Start	1	End	269
Name	OJ990416_07.9B12.C72.o1.ts	Method	TBLASTX:Soybean
Start	7	End	216
GI	none	Score	112
Exons	7..216, 14..172		

Seq. No.	19839	Seq. ID	OJ990416_07.9B12.C73
Gene No.	41377	Strand	+
Start	1	End	679
Name	OJ990416_07.9B12.C73.o1.gp	Method	AAT/GAP
Start	1	End	253
GI	25020_1.R1084	Score	425
Exons	1..253		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	19839	Seq. ID	OJ990416_07.9B12.C73
Gene No.	41377	Strand	+
Start	1	End	679
Name	OJ990416_07.9B12.C73.o1.np	Method	AAT/NAP
Start	1	End	679
GI	3080433	Score	608
Exons	1..260, 395..679		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	19839	Seq. ID	OJ990416_07.9B12.C73
Gene No.	41377	Strand	+
Start	1	End	679
Name	OJ990416_07.9B12.C73.o1.ts	Method	TBLASTX:Soybean
Start	25	End	262
GI	none	Score	212
Exons	25..216, 25..210, 30..215, 205..261, 206..262		

Seq. No.	19839	Seq. ID	OJ990416_07.9B12.C73
Gene No.	41377	Strand	+
Start	1	End	679
Name	OJ990416_07.9B12.C73.o1.tc	Method	TBLASTX:Cress
Start	76	End	661
GI	none	Score	242
Exons	76..258, 78..263, 392..598, 396..551, 581..661, 603..659		

Seq. No.	19839	Seq. ID	OJ990416_07.9B12.C73
Gene No.	41377	Strand	+
Start	1	End	679
Name	OJ990416_07.9B12.C73.o1.gs	Method	GENSCAN

Start	127	End	605
GI	none	Score	.9
Exons	127..260, 395..605		

Seq. No.	19839	Seq. ID	OJ990416_07.9B12.C73
Gene No.	41377	Strand	+
Start	1	End	679
Name	OJ990416_07.9B12.C73.o1.tm	Method	TBLASTX:Maize
Start	165	End	508
GI	none	Score	160
Exons	165..263, 166..261, 172..273, 209..319, 392..505, 392..508, 393..506		

Seq. No.	19839	Seq. ID	OJ990416_07.9B12.C73
Gene No.	41377	Strand	+
Start	1	End	679
Name	OJ990416_07.9B12.C73.o2.ts	Method	TBLASTX:Soybean
Start	392	End	659
GI	none	Score	180
Exons	392..652, 393..551, 603..659		

Seq. No.	19840	Seq. ID	OJ990726_09.9B05.C1
Gene No.	41378	Strand	+
Start	740	End	938
Name	OJ990726_09.9B05.C1.o1.gs	Method	GENSCAN
Start	740	End	938
GI	none	Score	.66
Exons	740..938		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41379	Strand	+
Start	1628	End	5210
Name	OJ990726_09.9B05.C2.o1.gs	Method	GENSCAN
Start	1628	End	5210
GI	none	Score	.66
Exons	1628..2451, 3689..3879, 4753..5210		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41379	Strand	+
Start	1628	End	5210
Name	OJ990726_09.9B05.C2.o1.np	Method	AAT/NAP
Start	1656	End	5207
GI	5931778	Score	735
Exons	1656..2382, 3689..3864, 4726..4980, 5047..5207		
GI Descrip.	(AJ011614) SBP-domain protein 1 [Zea mays]		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41380	Strand	+
Start	11325	End	13700
Name	OJ990726_09.9B05.C2.o2.np	Method	AAT/NAP
Start	11056	End	12744
GI	6907086	Score	860
Exons	11056..11828, 11886..12073, 12300..12744		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41380	Strand	+

Start	11325	End	13700
Name	OJ990726_09.9B05.C2.o2.gs	Method	GENSCAN
Start	11325	End	13700
GI	none	Score	.48
Exons	11325..11638, 11659..11821, 12133..12459, 13581..13700		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41381	Strand	+
Start	26343	End	28331
Name	OJ990726_09.9B05.C2.o5.gs	Method	GENSCAN
Start	26343	End	28331
GI	none	Score	.87
Exons	26343..26390, 27855..28331		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41382	Strand	+
Start	34608	End	35335
Name	OJ990726_09.9B05.C2.o2.gp	Method	AAT/GAP
Start	34608	End	35094
GI	26070_1.R1084	Score	930
Exons	34608..35094		
GI Descrip.	'893294 5.0e-26 (L43362) 4-coumarate:CoA ligase isoform 2 [Oryza sativa]'		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41382	Strand	+
Start	34608	End	35335
Name	OJ990726_09.9B05.C2.o4.np	Method	AAT/NAP
Start	34693	End	35335
GI	100415	Score	562
Exons	34693..35335		
GI Descrip.	4-coumarate--CoA ligase (EC 6.2.1.12) 2b - potato (fragment)		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41382	Strand	+
Start	34608	End	35335
Name	OJ990726_09.9B05.C2.o3.gp	Method	AAT/GAP
Start	35150	End	35335
GI	LIB3431-003-P1-K1-C7	Score	327
Exons	35150..35335		
GI Descrip.	'1361982/pir||S57784 1.0e-14 4-coumarate--CoA ligase (EC 6.2.1.12) - Arabidopsis thaliana >gi_609340 (U18675) 4-coumarate--coenzyme A ligase [Arabidopsis thaliana] >gi_5702184_gb_AAD47191.1_AF106084_1 (AF106084) 4-coumarate:CoA ligase 1 [Arabidopsis thaliana]'		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41383	Strand	-
Start	15148	End	22900
Name	OJ990726_09.9B05.C2.o3.gs	Method	GENSCAN
Start	15148	End	22900
GI	none	Score	.71
Exons	15148..15268, 17518..17556, 18872..19114, 19477..19549, 19646..19742, 19848..20119, 20226..20352, 21014..21251, 21620..21732, 22436..22557, 22681..22900		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2

Gene No.	41384	Strand	-
Start	24917	End	35335
Name	OJ990726_09.9B05.C2.o2.ts	Method	TBLASTX:Soybean
Start	2237	End	3770
GI	none	Score	204
Exons	2237..2383, 2251..2385, 3687..3770		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41384	Strand	-
Start	24917	End	35335
Name	OJ990726_09.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	11034	End	35335
GI	none	Score	61
Exons	11034..11093, 11117..11242, 11293..11520, 34849..35112, 34929..35105, 35134..35163, 35136..35162, 35258..35335, 35259..35333		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41384	Strand	-
Start	24917	End	35335
Name	OJ990726_09.9B05.C2.o3.np	Method	AAT/NAP
Start	24917	End	26265
GI	5730132	Score	310
Exons	24917..24983, 25660..25724, 25829..25866, 26172..26265		
GI Descrip.	(AL109796) snRNP Sm protein F-like [Arabidopsis thaliana]		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41384	Strand	-
Start	24917	End	35335
Name	OJ990726_09.9B05.C2.o1.gp	Method	AAT/GAP
Start	25662	End	28290
GI	2797266	Score	343
Exons	25662..25724, 25829..25866, 26172..26259, 28246..28290		
GI Descrip.	5730132/emb|CAB52466.1| 3.0e-23 (AL109796) snRNP Sm protein F-like [Arabidopsis thaliana]		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41384	Strand	-
Start	24917	End	35335
Name	OJ990726_09.9B05.C2.o1.tc	Method	TBLASTX:Cress
Start	34729	End	35335
GI	none	Score	312
Exons	34729..35160, 34932..35159, 35258..35335, 35259..35333		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41384	Strand	-
Start	24917	End	35335
Name	OJ990726_09.9B05.C2.o1.ts	Method	TBLASTX:Soybean
Start	34729	End	35333
GI	none	Score	298
Exons	34729..35127, 34737..34853, 34929..35153, 35259..35333		

Seq. No.	19841	Seq. ID	OJ990726_09.9B05.C2
Gene No.	41384	Strand	-
Start	24917	End	35335
Name	OJ990726_09.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	35035	End	35335

GI	none	Score	236
Exons	35035..35190, 35037..35174, 35077..35187, 35258..35335, 35259..35333		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41385	Strand	+
Start	1	End	5097
Name	OJ990726_09.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	5097
GI	2911799	Score	1168
Exons	1..67, 393..746, 858..1056, 3635..3848, 3943..4045, 4125..4232, 5050..5097		
GI Descrip.	(AF008184) 4-coumarate:CoA ligase 1 [Populus balsamifera subsp. trichocarpa X Populus deltoides]		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41385	Strand	+
Start	1	End	5097
Name	OJ990726_09.9B05.C3.o1.gs	Method	GENSCAN
Start	387	End	4283
GI	none	Score	.97
Exons	387..746, 858..1056, 3635..3848, 3943..4045, 4125..4283		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41385	Strand	+
Start	1	End	5097
Name	OJ990726_09.9B05.C3.o1.gp	Method	AAT/GAP
Start	393	End	476
GI	LIB3431-003-P1-K1-C7	Score	124
Exons	393..476		
GI Descrip.	'1361982/pir||S57784 1.0e-14 4-coumarate--CoA ligase (EC 6.2.1.12) - Arabidopsis thaliana >gi_609340 (U18675) 4-coumarate--coenzyme A ligase [Arabidopsis thaliana] >gi_5702184_gb_AAD47191.1_AF106084_1 (AF106084) 4-coumarate:CoA ligase 1 [Arabidopsis thaliana]'		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41385	Strand	+
Start	1	End	5097
Name	OJ990726_09.9B05.C3.o2.gp	Method	AAT/GAP
Start	708	End	4554
GI	4936_1.R1084	Score	1857
Exons	708..746, 858..1056, 3635..3848, 3943..4045, 4125..4554		
GI Descrip.	'5730132/emb|CAB52466.1| 3.0e-23 (AL109796) snRNP Sm protein F-like [Arabidopsis thaliana]'		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41386	Strand	-
Start	5845	End	6311
Name	OJ990726_09.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	388	End	3694
GI	none	Score	284
Exons	388..537, 390..596, 390..572, 392..598, 3641..3694		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41386	Strand	-
Start	5845	End	6311

Name	OJ990726_09.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	390	End	4223
GI	none	Score	395
Exons	390..746, 392..742, 794..1057, 858..1058, 3633..3845, 3634..3696, 3745..3849, 3931..4050, 3935..4051, 4071..4223, 4116..4211, 4157..4213		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41386	Strand	-
Start	5845	End	6311
Name	OJ990726_09.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	390	End	4223
GI	none	Score	390
Exons	390..746, 390..563, 392..745, 857..1057, 858..1058, 3633..3845, 3634..3696, 3745..3846, 3935..4051, 3946..4068, 4119..4223, 4169..4213		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41386	Strand	-
Start	5845	End	6311
Name	OJ990726_09.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	424	End	4223
GI	none	Score	122
Exons	424..549, 434..751, 435..746, 645..782, 670..747, 680..748, 856..957, 857..1057, 858..1058, 3633..3848, 3634..3696, 3744..3848, 3745..3849, 3931..3996, 3935..3997, 4001..4051, 4119..4223, 4119..4214, 4123..4221		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41386	Strand	-
Start	5845	End	6311
Name	OJ990726_09.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	3747	End	4183
GI	none	Score	116
Exons	3747..3848, 3748..3849, 3759..3848, 3935..4054, 3945..4082, 3945..4046, 3946..4050, 3947..4102, 4119..4181, 4119..4181, 4123..4182, 4124..4183		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41386	Strand	-
Start	5845	End	6311
Name	OJ990726_09.9B05.C3.o2.gs	Method	GENSCAN
Start	5845	End	6311
GI	none	Score	1
Exons	5845..6123, 6306..6311		

Seq. No.	19842	Seq. ID	OJ990726_09.9B05.C3
Gene No.	41386	Strand	-
Start	5845	End	6311
Name	OJ990726_09.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	5905	End	6133
GI	none	Score	183
Exons	5905..6126, 5948..6133, 5996..6127		

Seq. No.	19843	Seq. ID	OJ990726_09.9B05.C5
Gene No.	41387	Strand	-
Start	1594	End	1928

Name	OJ990726_09.9B05.C5.o1.gs	Method	GENSCAN
Start	1594	End	1928
GI	none	Score	.69
Exons	1594..1635, 1775..1840, 1863..1928		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41388	Strand	+
Start	10074	End	13384
Name	OJ990726_09.9B05.C6.o4.gs	Method	GENSCAN
Start	10074	End	13384
GI	none	Score	.78
Exons	10074..10167, 10179..10335, 10343..10487, 12258..12297, 13152..13384		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41389	Strand	+
Start	16034	End	18684
Name	OJ990726_09.9B05.C6.o1.np	Method	AAT/NAP
Start	15991	End	18669
GI	2501555	Score	870
Exons	15991..16129, 16805..16879, 17161..17217, 17312..17469, 17595..17735, 18004..18106, 18193..18292, 18464..18669		
GI Descrip.	POSSIBLE APOSPORY-ASSOCIATED PROTEIN C gi|549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41389	Strand	+
Start	16034	End	18684
Name	OJ990726_09.9B05.C6.o5.gs	Method	GENSCAN
Start	16034	End	18684
GI	none	Score	.58
Exons	16034..16190, 18004..18106, 18147..18292, 18464..18684		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41390	Strand	+
Start	27767	End	43801
Name	OJ990726_09.9B05.C6.o8.gs	Method	GENSCAN
Start	27767	End	43607
GI	none	Score	.85
Exons	27767..27829, 27866..27932, 28508..28589, 30330..30465, 30548..30617, 31068..31445, 31921..31979, 32346..32462, 33618..33687, 34754..34824, 34914..34997, 35091..35168, 35248..35319, 35705..35836, 36106..36188, 36705..36813, 36891..36946, 37025..37067, 37140..37223, 37331..37468, 37986..38051, 38131..38229, 38912..39022, 39092..39259, 39837..39896, 40271..40435, 40774..40890, 41029..41127, 41208..41345, 42172..42272, 42374..42419, 42512..42646, 42797..42904, 43000..43091, 43297..43385, 43561..43607		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41390	Strand	+
Start	27767	End	43801
Name	OJ990726_09.9B05.C6.o2.np	Method	AAT/NAP
Start	31308	End	43387
GI	4914414	Score	2583
Exons	31308..31445, 32346..32468, 32774..32914, 33004..33135, 33319..33408, 33618..33687, 34754..34824, 34914..34997,		

35091..35168, 35266..35319, 35705..35788, 36086..36188,
36705..36835, 36874..36946, 37025..37067, 37140..37223,
37331..37468, 37989..38051, 38131..38244, 38897..39022,
39092..39259, 39837..39896, 40274..40435, 40774..40890,
41029..41127, 41208..41345, 42172..42272, 42374..42419,
42512..42646, 42797..42904, 43000..43091, 43297..43387

GI Descrip. (AL050352) Ca2+-transporting ATPase-like protein [Arabidopsis thaliana]

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41390	Strand	+
Start	27767	End	43801
Name	OJ990726_09.9B05.C6.o1.gp	Method	AAT/GAP
Start	42824	End	43801
GI	LIB3434-042-P1-K1-B3	Score	875

Exons 42824..42904, 43000..43091, 43297..43385, 43561..43801

GI Descrip. '4914414/emb|CAB43665.1| 2.0e-17 (AL050352) Ca2+-transporting ATPase-like protein [Arabidopsis thaliana]'

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41391	Strand	+
Start	49133	End	49516
Name	OJ990726_09.9B05.C6.o9.gs	Method	GENSCAN
Start	49133	End	49516
GI	none	Score	.74

Exons 49133..49516

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41392	Strand	+
Start	54055	End	56590
Name	OJ990726_09.9B05.C6.o11.gs	Method	GENSCAN
Start	54055	End	56590
GI	none	Score	.56

Exons 54055..54244, 54965..55046, 56368..56590

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41392	Strand	+
Start	54055	End	56590
Name	OJ990726_09.9B05.C6.o3.np	Method	AAT/NAP
Start	54055	End	55083
GI	4914409	Score	350

Exons 54055..54244, 54965..55083

GI Descrip. (AL050352) putative protein [Arabidopsis thaliana]

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41392	Strand	+
Start	54055	End	56590
Name	OJ990726_09.9B05.C6.o2.gp	Method	AAT/GAP
Start	54165	End	55453
GI	28294_1.R1084	Score	1101

Exons 54165..54244, 54965..55453

GI Descrip. '3135265 2.0e-18 (AC003058) unknown protein [Arabidopsis thaliana]'

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41393	Strand	+
Start	57296	End	58285

Name	OJ990726_09.9B05.C6.o12.gs	Method	GENSCAN
Start	57296	End	58285
GI	none	Score	.76
Exons	57296..57706, 58172..58285		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41394	Strand	-
Start	3056	End	4764
Name	OJ990726_09.9B05.C6.o1.gs	Method	GENSCAN
Start	3056	End	4764
GI	none	Score	.88
Exons	3056..3535, 4144..4225, 4553..4764		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41395	Strand	-
Start	5608	End	6749
Name	OJ990726_09.9B05.C6.o2.gs	Method	GENSCAN
Start	5608	End	6749
GI	none	Score	.53
Exons	5608..5777, 6713..6749		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41396	Strand	-
Start	7765	End	8479
Name	OJ990726_09.9B05.C6.o3.gs	Method	GENSCAN
Start	7765	End	8479
GI	none	Score	.8
Exons	7765..8180, 8431..8479		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41397	Strand	-
Start	19016	End	20544
Name	OJ990726_09.9B05.C6.o6.gs	Method	GENSCAN
Start	19016	End	20544
GI	none	Score	.72
Exons	19016..19045, 19323..19413, 19752..19795, 19835..19952, 20471..20544		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41398	Strand	-
Start	50476	End	53224
Name	OJ990726_09.9B05.C6.o10.gs	Method	GENSCAN
Start	50476	End	53224
GI	none	Score	.43
Exons	50476..50672, 50738..50757, 51674..51802, 52731..52761, 52878..52995, 53111..53224		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	16802	End	18656
GI	none	Score	81
Exons	16802..16879, 17152..17217, 17166..17213, 17309..17395, 17311..17394, 17417..17467, 17419..17469, 17591..17731, 17592..17735, 17593..17733, 17980..18108, 17993..18151, 18174..18287, 18187..18288, 18221..18295, 18451..18645,		

18452..18646, 18452..18652, 18459..18656, 18460..18654

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o3.ts	Method	TBLASTX:Soybean
Start	17396	End	18657
GI	none	Score	80
Exons	17396..17467, 17592..17759, 17593..17733, 17967..18086, 17980..18105, 17993..18106, 18002..18118, 18195..18287, 18196..18288, 18459..18653, 18460..18657		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o2.tc	Method	TBLASTX:Cress
Start	18190	End	18659
GI	none	Score	116
Exons	18190..18288, 18195..18284, 18285..18344, 18458..18652, 18459..18653, 18459..18659, 18460..18654		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o4.tc	Method	TBLASTX:Cress
Start	34744	End	43089
GI	none	Score	83
Exons	34744..34827, 34746..34826, 34874..34996, 34911..35000, 35091..35174, 35093..35173, 35269..35325, 38023..38109, 38143..38223, 42148..42270, 42171..42272, 42178..42273, 42384..42419, 42797..42907, 42997..43089		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	34747	End	35776
GI	none	Score	74
Exons	34747..34827, 34911..35000, 35091..35171, 35269..35325, 35705..35776		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	34777	End	35806
GI	none	Score	55
Exons	34777..34827, 34911..35000, 34913..34990, 35087..35170, 35090..35167, 35091..35180, 35254..35325, 35262..35324, 35695..35790, 35704..35805, 35705..35806		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	35704	End	37229
GI	none	Score	119

Exons	35704..35799, 35705..35806, 36100..36189, 36105..36191, 36703..36816, 36882..36947, 37020..37088, 37028..37087, 37139..37189, 37140..37229		
Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	36702	End	43369
GI	none	Score	134
Exons	36702..36851, 36703..36816, 36882..36947, 36885..36929, 37020..37088, 37038..37067, 37136..37222, 37140..37229, 37143..37229, 37322..37468, 37330..37467, 37561..37590, 37983..38054, 38000..38047, 38127..38237, 38131..38238, 38912..39025, 38927..39016, 38932..39018, 39097..39261, 39098..39259, 39831..39899, 40267..40389, 40271..40438, 40744..40890, 40773..40898, 40779..40898, 41026..41130, 41028..41141, 41047..41130, 41197..41307, 41207..41344, 41208..41348, 42139..42252, 42168..42266, 42178..42273, 42371..42409, 42372..42416, 42378..42416, 42511..42648, 42512..42649, 42512..42649, 42780..42866, 42781..42900, 42782..42904, 42794..42904, 42997..43086, 43005..43085, 43298..43369		
Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	36714	End	39259
GI	none	Score	112
Exons	36714..36851, 36715..36816, 36882..36947, 37020..37088, 37026..37070, 37139..37186, 37140..37229, 37400..37468, 37983..38054, 38136..38219, 38137..38223, 38911..38991, 38915..38992, 39101..39208, 39188..39259		
Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o4.ts	Method	TBLASTX:Soybean
Start	39831	End	43372
GI	none	Score	91
Exons	39831..39899, 39836..39904, 40271..40339, 40273..40338, 40352..40438, 40744..40890, 40773..40898, 40779..40898, 41019..41129, 41026..41130, 41028..41141, 41047..41130, 41205..41300, 41207..41335, 41207..41341, 41208..41348, 42130..42252, 42156..42266, 42171..42275, 42178..42273, 42363..42419, 42372..42449, 42508..42555, 42509..42556, 42596..42649, 42604..42636, 42767..42907, 42997..43089, 43002..43091, 43294..43347, 43295..43372		
Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o3.tc	Method	TBLASTX:Cress
Start	40276	End	41333
GI	none	Score	95
Exons	40276..40338, 40277..40339, 40334..40438, 40773..40898,		

40774..40890, 40776..40898, 41026..41130, 41028..41129,
41028..41141, 41047..41130, 41205..41300, 41207..41332,
41208..41333

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	42602	End	43369
GI	none	Score	78
Exons	42602..42649, 42781..42900, 42794..42907, 42797..42907, 42997..43089, 43005..43091, 43295..43369		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	54060	End	55087
GI	none	Score	125
Exons	54060..54086, 54061..54246, 54106..54129, 54207..54245, 54963..55082, 54964..55071, 54964..55083, 54965..55087		

Seq. No.	19844	Seq. ID	OJ990726_09.9B05.C6
Gene No.	41399	Strand	-
Start	60008	End	60193
Name	OJ990726_09.9B05.C6.o13.gs	Method	GENSCAN
Start	60008	End	60193
GI	none	Score	.59
Exons	60008..60193		

Seq. No.	19845	Seq. ID	OJ990716_09.9B08.C1
Gene No.	41400	Strand	+
Start	609	End	1111
Name	OJ990716_09.9B08.C1.o1.gs	Method	GENSCAN
Start	609	End	1111
GI	none	Score	.72
Exons	609..1111		

Seq. No.	19845	Seq. ID	OJ990716_09.9B08.C1
Gene No.	41401	Strand	+
Start	4813	End	4871
Name	OJ990716_09.9B08.C1.o2.gp	Method	AAT/GAP
Start	4813	End	4871
GI	2312838	Score	66
Exons	4813..4871		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	19845	Seq. ID	OJ990716_09.9B08.C1
Gene No.	41402	Strand	+
Start	7523	End	8032
Name	OJ990716_09.9B08.C1.o1.np	Method	AAT/NAP
Start	7523	End	8032
GI	2347189	Score	261
Exons	7523..8032		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19845	Seq. ID	OJ990716_09.9B08.C1
Gene No.	41403	Strand	-
Start	347	End	430
Name	OJ990716_09.9B08.C1.o1.gp	Method	AAT/GAP
Start	347	End	430
GI	LIB3479-009-Q6-K1-E3	Score	145
Exons	347..430		
GI Descrip.	'543632/pir||JQ2253 8.0e-31 aldehyde reductase (EC 1.1.1.21), NADPH-dependent - bromegrass >gi_167113 (L12042) aldose reductase-related protein [Bromus inermis]'		

Seq. No.	19845	Seq. ID	OJ990716_09.9B08.C1
Gene No.	41404	Strand	
Start	7493	End	7798
Name	OJ990716_09.9B08.C1.o1.tm	Method	TBLASTX:Maize
Start	7493	End	7795
GI	none	Score	161
Exons	7493..7621, 7522..7617, 7615..7671, 7631..7681, 7727..7795, 7732..7791		

Seq. No.	19845	Seq. ID	OJ990716_09.9B08.C1
Gene No.	41404	Strand	
Start	7493	End	7798
Name	OJ990716_09.9B08.C1.o1.tc	Method	TBLASTX:Cress
Start	7510	End	7792
GI	none	Score	165
Exons	7510..7626, 7523..7627, 7631..7681, 7727..7792, 7732..7791		

Seq. No.	19845	Seq. ID	OJ990716_09.9B08.C1
Gene No.	41404	Strand	
Start	7493	End	7798
Name	OJ990716_09.9B08.C1.o1.ts	Method	TBLASTX:Soybean
Start	7522	End	7798
GI	none	Score	155
Exons	7522..7623, 7523..7624, 7612..7680, 7631..7681, 7727..7798		

Seq. No.	19846	Seq. ID	OJ990716_09.9B08.C2
Gene No.	41405	Strand	-
Start	1	End	4047
Name	OJ990716_09.9B08.C2.o1.np	Method	AAT/NAP
Start	1	End	1812
GI	4894965	Score	888
Exons	1..861, 1365..1601, 1705..1812		
GI Descrip.	(AF140554) DNA-binding protein WRKY1 [Avena sativa]		

Seq. No.	19846	Seq. ID	OJ990716_09.9B08.C2
Gene No.	41405	Strand	-
Start	1	End	4047
Name	OJ990716_09.9B08.C2.o1.gs	Method	GENSCAN
Start	89	End	4047
GI	none	Score	.49
Exons	89..861, 1271..1302, 1365..1601, 1705..1962, 2161..2319, 4035..4047		

Seq. No.	19846	Seq. ID	OJ990716_09.9B08.C2
Gene No.	41406	Strand	-
Start	4305	End	5173

Name	OJ990716_09.9B08.C2.o1.tc	Method	TBLASTX:Cress
Start	88	End	670
GI	none	Score	213
Exons	88..150, 493..669, 494..670		

Seq. No.	19846	Seq. ID	OJ990716_09.9B08.C2
Gene No.	41406	Strand	-
Start	4305	End	5173
Name	OJ990716_09.9B08.C2.o1.ts	Method	TBLASTX:Soybean
Start	88	End	690
GI	none	Score	114
Exons	88..213, 88..150, 89..205, 349..390, 350..391, 463..690, 475..552, 494..673, 550..669, 557..670		

Seq. No.	19846	Seq. ID	OJ990716_09.9B08.C2
Gene No.	41406	Strand	-
Start	4305	End	5173
Name	OJ990716_09.9B08.C2.o1.tw	Method	TBLASTX:Wheat
Start	88	End	670
GI	none	Score	122
Exons	88..219, 92..208, 169..219, 220..261, 442..552, 527..667, 550..669, 557..670		

Seq. No.	19846	Seq. ID	OJ990716_09.9B08.C2
Gene No.	41406	Strand	-
Start	4305	End	5173
Name	OJ990716_09.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	88	End	684
GI	none	Score	73
Exons	88..150, 89..133, 463..684, 485..676		

Seq. No.	19846	Seq. ID	OJ990716_09.9B08.C2
Gene No.	41406	Strand	-
Start	4305	End	5173
Name	OJ990716_09.9B08.C2.o2.np	Method	AAT/NAP
Start	4305	End	5173
GI	1141716	Score	115
Exons	4305..4375, 4501..4684, 5101..5173		
GI Descrip.	(M37526) alpha-apoprotein [Euglena gracilis]		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41407	Strand	+
Start	583	End	1001
Name	OJ990716_09.9B08.C3.o1.gp	Method	AAT/GAP
Start	583	End	1001
GI	none	Score	838
Exons	583..1001		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41408	Strand	-
Start	213	End	2484
Name	OJ990716_09.9B08.C3.o1.gs	Method	GENSCAN
Start	213	End	2474
GI	none	Score	.49
Exons	213..288, 403..506, 641..713, 827..900, 1116..2474		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3

Gene No.	41408	Strand	-
Start	213	End	2484
Name	OJ990716_09.9B08.C3.o1.np	Method	AAT/NAP
Start	1013	End	2474
GI	6016696	Score	740
Exons	1013..1123, 1496..1643, 1677..2474		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41408	Strand	-
Start	213	End	2484
Name	OJ990716_09.9B08.C3.o2.gp	Method	AAT/GAP
Start	2147	End	2484
GI	none	Score	544
Exons	2147..2484		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o5.tm	Method	TBLASTX:Maize
Start	647	End	1050
GI	none	Score	68
Exons	647..766, 816..881, 817..882, 824..889, 825..890, 936..1049, 936..1049, 937..1050		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o3.tm	Method	TBLASTX:Maize
Start	1053	End	1340
GI	none	Score	264
Exons	1053..1340		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o2.tc	Method	TBLASTX:Cress
Start	1077	End	1256
GI	none	Score	83
Exons	1077..1208, 1108..1194, 1213..1248, 1215..1256		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o1.tw	Method	TBLASTX:Wheat
Start	1185	End	1606
GI	none	Score	466
Exons	1185..1601, 1186..1590, 1256..1606		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o1.tc	Method	TBLASTX:Cress
Start	1330	End	1743
GI	none	Score	176
Exons	1330..1518, 1332..1514, 1358..1522, 1545..1742, 1645..1743		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o1.tm	Method	TBLASTX:Maize
Start	1365	End	1742
GI	none	Score	203
Exons	1365..1637, 1368..1556, 1369..1590, 1572..1694, 1590..1694, 1645..1695, 1683..1742, 1687..1740		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o4.tm	Method	TBLASTX:Maize
Start	1762	End	2027
GI	none	Score	217
Exons	1762..2019, 1770..1994, 1772..2020, 1773..2027		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o1.ts	Method	TBLASTX:Soybean
Start	1924	End	2181
GI	none	Score	186
Exons	1924..2106, 1926..2180, 1927..2181		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o2.tm	Method	TBLASTX:Maize
Start	2029	End	2313
GI	none	Score	286
Exons	2029..2304, 2031..2291, 2031..2306, 2032..2313		

Seq. No.	19847	Seq. ID	OJ990716_09.9B08.C3
Gene No.	41409	Strand	-
Start	2489	End	2620
Name	OJ990716_09.9B08.C3.o3.gp	Method	AAT/GAP
Start	2489	End	2620
GI	none	Score	242
Exons	2489..2620		

Seq. No.	19848	Seq. ID	OJ990716_09.9B08.C4
Gene No.	41410	Strand	-
Start	2227	End	2948
Name	OJ990716_09.9B08.C4.o2.gs	Method	GENSCAN
Start	2227	End	2948
GI	none	Score	.62
Exons	2227..2295, 2865..2948		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41411	Strand	+
Start	1	End	3872
Name	OJ990716_09.9B08.C5.o1.np	Method	AAT/NAP
Start	1	End	3863
GI	6069646	Score	1005
Exons	1..81, 1794..2592, 2875..3863		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315)		

[Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41411	Strand	+
Start	1	End	3872
Name	OJ990716_09.9B08.C5.o1.gs	Method	GENSCAN
Start	977	End	3872
GI	none	Score	.58
Exons	977..2523, 2748..3872		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o4.tm	Method	TBLASTX:Maize
Start	1177	End	1608
GI	none	Score	337
Exons	1177..1608, 1200..1286, 1201..1494, 1320..1499		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o2.tw	Method	TBLASTX:Wheat
Start	1687	End	2022
GI	none	Score	85
Exons	1687..1839, 1840..2022		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o2.tm	Method	TBLASTX:Maize
Start	1768	End	2193
GI	none	Score	467
Exons	1768..2193, 1779..2192		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o4.tw	Method	TBLASTX:Wheat
Start	2029	End	2334
GI	none	Score	186
Exons	2029..2334, 2178..2324		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o3.tm	Method	TBLASTX:Maize
Start	2196	End	2807
GI	none	Score	226
Exons	2196..2276, 2197..2526, 2301..2459, 2534..2740, 2535..2807		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o1.tw	Method	TBLASTX:Wheat

Start	2449	End	2888
GI	none	Score	79
Exons	2449..2538, 2537..2740, 2538..2744, 2730..2888, 2766..2858		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o2.ts	Method	TBLASTX:Soybean
Start	2553	End	2966
GI	none	Score	131
Exons	2553..2777, 2609..2725, 2784..2807, 2837..2914, 2838..2966		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o7.tm	Method	TBLASTX:Maize
Start	2819	End	3044
GI	none	Score	235
Exons	2819..3043, 2820..3044		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o3.tw	Method	TBLASTX:Wheat
Start	3048	End	3437
GI	none	Score	65
Exons	3048..3224, 3285..3437, 3290..3418		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o5.tm	Method	TBLASTX:Maize
Start	3377	End	3661
GI	none	Score	318
Exons	3377..3661, 3381..3656		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o5.tw	Method	TBLASTX:Wheat
Start	3444	End	6602
GI	none	Score	97
Exons	3444..3593, 3651..3845, 6525..6602		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o2.gs	Method	GENSCAN
Start	4977	End	8237
GI	none	Score	.83
Exons	4977..5502, 5650..6790, 6864..7044, 7074..7255, 7269..7347, 8021..8237		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o2.np	Method	AAT/NAP

Start	5085	End	6806
GI	2347195	Score	900
Exons	5085..5502, 5650..6485, 6534..6806		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o6.tm	Method	TBLASTX:Maize
Start	5280	End	5511
GI	none	Score	252
Exons	5280..5504, 5281..5511		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o8.tm	Method	TBLASTX:Maize
Start	5649	End	5873
GI	none	Score	112
Exons	5649..5807, 5649..5678, 5650..5814, 5651..5743, 5725..5832, 5745..5873		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o1.ts	Method	TBLASTX:Soybean
Start	6333	End	6797
GI	none	Score	65
Exons	6333..6515, 6363..6515, 6522..6797, 6538..6684		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o1.tc	Method	TBLASTX:Cress
Start	6345	End	6812
GI	none	Score	91
Exons	6345..6515, 6522..6812, 6544..6810		

Seq. No.	19849	Seq. ID	OJ990716_09.9B08.C5
Gene No.	41412	Strand	-
Start	4977	End	8237
Name	OJ990716_09.9B08.C5.o1.tm	Method	TBLASTX:Maize
Start	6489	End	6816
GI	none	Score	124
Exons	6489..6608, 6489..6800, 6490..6816		

Seq. No.	19850	Seq. ID	OJ990716_09.9B08.C7
Gene No.	41413	Strand	+
Start	3377	End	5594
Name	OJ990716_09.9B08.C7.o1.gs	Method	GENSCAN
Start	3377	End	5208
GI	none	Score	.69
Exons	3377..3396, 3434..3571, 3855..3987, 4147..4357, 4439..5208		

Seq. No.	19850	Seq. ID	OJ990716_09.9B08.C7
Gene No.	41413	Strand	+
Start	3377	End	5594

Name	OJ990716_09.9B08.C7.o1.np	Method	AAT/NAP
Start	3807	End	5594
GI	6815107	Score	1974
Exons	3807..3987, 4147..4357, 4439..5436, 5554..5594		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	19850	Seq. ID	OJ990716_09.9B08.C7
Gene No.	41413	Strand	+
Start	3377	End	5594
Name	OJ990716_09.9B08.C7.o2.tm	Method	TBLASTX:Maize
Start	4805	End	5067
GI	none	Score	64
Exons	4805..4984, 4809..4985, 4810..5067, 4915..5061		

Seq. No.	19850	Seq. ID	OJ990716_09.9B08.C7
Gene No.	41413	Strand	+
Start	3377	End	5594
Name	OJ990716_09.9B08.C7.o1.tc	Method	TBLASTX:Cress
Start	4855	End	5169
GI	none	Score	217
Exons	4855..5169		

Seq. No.	19850	Seq. ID	OJ990716_09.9B08.C7
Gene No.	41413	Strand	+
Start	3377	End	5594
Name	OJ990716_09.9B08.C7.o1.ts	Method	TBLASTX:Soybean
Start	4915	End	5481
GI	none	Score	398
Exons	4915..5481, 4945..5130, 4977..5234		

Seq. No.	19850	Seq. ID	OJ990716_09.9B08.C7
Gene No.	41413	Strand	+
Start	3377	End	5594
Name	OJ990716_09.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	5068	End	5499
GI	none	Score	321
Exons	5068..5499, 5074..5430, 5340..5495		

Seq. No.	19850	Seq. ID	OJ990716_09.9B08.C7
Gene No.	41413	Strand	+
Start	3377	End	5594
Name	OJ990716_09.9B08.C7.o1.tw	Method	TBLASTX:Wheat
Start	5089	End	5520
GI	none	Score	274
Exons	5089..5520, 5091..5249, 5292..5492		

Seq. No.	19851	Seq. ID	OJ990716_09.9B08.C8
Gene No.	41414	Strand	+
Start	1	End	3100
Name	OJ990716_09.9B08.C8.o1.np	Method	AAT/NAP
Start	1	End	911
GI	6815107	Score	533
Exons	1..365, 445..644, 732..911		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	19851	Seq. ID	OJ990716_09.9B08.C8
Gene No.	41414	Strand	+
Start	1	End	3100
Name	OJ990716_09.9B08.C8.o1.tm	Method	TBLASTX:Maize
Start	125	End	373
GI	none	Score	265
Exons	125..373, 125..352, 127..372		

Seq. No.	19851	Seq. ID	OJ990716_09.9B08.C8
Gene No.	41414	Strand	+
Start	1	End	3100
Name	OJ990716_09.9B08.C8.o1.gs	Method	GENSCAN
Start	164	End	3100
GI	none	Score	.8
Exons	164..365, 445..644, 1326..1449, 3027..3100		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41415	Strand	+
Start	8	End	4975
Name	OJ990716_09.9B08.C9.o1.gs	Method	GENSCAN
Start	8	End	4819
GI	none	Score	.4
Exons	8..109, 818..1282, 1616..2691, 2784..2957, 3032..3050, 3305..3536, 3602..3682, 3937..4104, 4761..4819		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41415	Strand	+
Start	8	End	4975
Name	OJ990716_09.9B08.C9.o1.np	Method	AAT/NAP
Start	1121	End	4975
GI	5441880	Score	707
Exons	1121..2129, 2571..2614, 4736..4975		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41416	Strand	+
Start	5696	End	6737
Name	OJ990716_09.9B08.C9.o2.gs	Method	GENSCAN
Start	5696	End	6737
GI	none	Score	.49
Exons	5696..5851, 6030..6141, 6595..6737		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o2.tm	Method	TBLASTX:Maize
Start	1690	End	2272
GI	none	Score	122
Exons	1690..1812, 1691..1843, 1843..2148, 1844..2152, 2192..2272, 2194..2220		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o3.tw	Method	TBLASTX:Wheat

Start	1981	End	2368
GI	none	Score	184
Exons	1981..2130, 1982..2158, 1982..2131, 2171..2368, 2179..2226, 2183..2272, 2205..2291		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o3.gs	Method	GENSCAN
Start	8807	End	15756
GI	none	Score	.44
Exons	8807..8922, 10603..10664, 11681..11748, 12171..12445, 12870..13035, 13775..14005, 14119..14293, 14472..14587, 14697..14876, 14987..15212, 15319..15432, 15519..15605, 15713..15756		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o2.np	Method	AAT/NAP
Start	12252	End	15753
GI	6403506	Score	1575
Exons	12252..12497, 13775..14005, 14119..14289, 14444..14587, 14697..14876, 14987..15212, 15319..15432, 15519..15605, 15713..15753		
GI Descrip.	(AC010871) putative aminotransferase [Arabidopsis thaliana]		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o1.gp	Method	AAT/GAP
Start	12335	End	14530
GI	56793_1.R1084	Score	1186
Exons	12335..12497, 13775..14005, 14119..14289, 14444..14530		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o1.tm	Method	TBLASTX:Maize
Start	12381	End	15854
GI	none	Score	192
Exons	12381..12500, 12413..12496, 13774..14007, 13775..14008, 13775..14005, 14102..14293, 14113..14289, 14116..14298, 14118..14297, 14437..14586, 14438..14587, 14691..14789, 14696..14800, 14696..14788, 14790..14876, 14791..14853, 14792..14872, 14984..15211, 14985..15209, 15318..15431, 15319..15435, 15320..15436, 15320..15436, 15516..15599, 15518..15604, 15521..15604, 15693..15773, 15709..15768, 15785..15817, 15822..15854, 15826..15852		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+

Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o2.tc	Method	TBLASTX:Cress
Start	12381	End	14283
GI	none	Score	109
Exons	12381..12500, 13774..13803, 13775..13843, 13840..13926, 13847..13927, 13931..13993, 14089..14283, 14094..14282		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o1.ts	Method	TBLASTX:Soybean
Start	12384	End	15756
GI	none	Score	136
Exons	12384..12500, 12413..12499, 13775..14008, 13777..14007, 13778..14008, 14110..14298, 14113..14298, 14117..14302, 14118..14306, 14437..14586, 14438..14587, 14441..14587, 14457..14591, 14458..14592, 14691..14876, 14696..14878, 14696..14872, 14984..15211, 14984..15187, 15312..15431, 15320..15430, 15521..15604, 15709..15756		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o2.tw	Method	TBLASTX:Wheat
Start	13837	End	14500
GI	none	Score	225
Exons	13837..14007, 13838..14008, 14110..14298, 14113..14298, 14117..14302, 14441..14500		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o1.tc	Method	TBLASTX:Cress
Start	14434	End	15169
GI	none	Score	66
Exons	14434..14571, 14441..14578, 14461..14577, 14696..14875, 14697..14876, 14706..14876, 14977..15144, 14984..15169, 14986..15045, 15054..15104, 15097..15168		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o2.gp	Method	AAT/GAP
Start	14737	End	15209
GI	LIB3434-014-P1-K1-A3	Score	631
Exons	14737..14876, 14987..15209		
GI Descrip.	'3395432 4.0e-40 (AC004683) unknown protein [Arabidopsis thaliana] >gi_5731261_gb_AAD48838.1_AF166352_1 (AF166352) alanine:glyoxylate aminotransferase 2 homolog [Arabidopsis thaliana]'		

Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o1.tw	Method	TBLASTX:Wheat
Start	14798	End	15389
GI	none	Score	130

Exons	14798..14875, 14799..14876, 14984..15211, 14984..15178, 14985..15212, 15162..15218, 15318..15389, 15318..15383, 15320..15388		
Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o3.tc	Method	TBLASTX:Cress
Start	15170	End	15756
GI	none	Score	57
Exons	15170..15211, 15318..15431, 15320..15406, 15521..15604, 15524..15601, 15693..15755, 15709..15756		
Seq. No.	19852	Seq. ID	OJ990716_09.9B08.C9
Gene No.	41417	Strand	+
Start	8807	End	16097
Name	OJ990716_09.9B08.C9.o3.gp	Method	AAT/GAP
Start	15520	End	16097
GI	49772_1.R1084	Score	854
Exons	15520..15605, 15713..16097		
GI Descrip.	'3395432 9.0e-14 (AC004683) unknown protein [Arabidopsis thaliana] >gi_5731261_gb_AAD48838.1_AF166352_1 (AF166352) alanine:glyoxylate aminotransferase 2 homolog [Arabidopsis thaliana]'		
Seq. No.	19853	Seq. ID	OJ990716_09.9B08.C10
Gene No.	41418	Strand	+
Start	1	End	81
Name	OJ990716_09.9B08.C10.o1.gp	Method	AAT/GAP
Start	1	End	81
GI	none	Score	162
Exons	1..81		
Seq. No.	19853	Seq. ID	OJ990716_09.9B08.C10
Gene No.	41419	Strand	-
Start	1	End	2695
Name	OJ990716_09.9B08.C10.o1.np	Method	AAT/NAP
Start	1	End	2695
GI	3395431	Score	545
Exons	1..373, 446..629, 748..988, 1253..1338, 1417..1746, 1834..1947, 2289..2387, 2572..2695		
GI Descrip.	(AC004683) unknown protein [Arabidopsis thaliana]		
Seq. No.	19853	Seq. ID	OJ990716_09.9B08.C10
Gene No.	41419	Strand	-
Start	1	End	2695
Name	OJ990716_09.9B08.C10.o2.tm	Method	TBLASTX:Maize
Start	2	End	359
GI	none	Score	60
Exons	2..73, 3..59, 10..129, 15..128, 108..218, 112..204, 117..230, 121..228, 256..339, 285..359, 289..333, 297..359		
Seq. No.	19853	Seq. ID	OJ990716_09.9B08.C10
Gene No.	41419	Strand	-
Start	1	End	2695
Name	OJ990716_09.9B08.C10.o1.gs	Method	GENSCAN
Start	54	End	2650

GI	none	Score	.8
Exons	54..678, 758..988, 1253..1338, 1417..1498, 1598..1746, 1834..1947, 2289..2387, 2572..2650		

Seq. No.	19853	Seq. ID	OJ990716_09.9B08.C10
Gene No.	41419	Strand	-
Start	1	End	2695
Name	OJ990716_09.9B08.C10.o2.gp	Method	AAT/GAP
Start	190	End	1274
GI	27408_1.R1084	Score	1440
Exons	190..678, 758..988, 1253..1274		
GI Descrip.	'3395431 2.0e-14 (AC004683) unknown protein [Arabidopsis thaliana]'		

Seq. No.	19853	Seq. ID	OJ990716_09.9B08.C10
Gene No.	41419	Strand	-
Start	1	End	2695
Name	OJ990716_09.9B08.C10.o1.tm	Method	TBLASTX:Maize
Start	412	End	2333
GI	none	Score	48
Exons	412..474, 412..465, 454..585, 474..533, 478..582, 577..696, 578..679, 582..722, 757..801, 759..806, 871..987, 884..985, 1249..1335, 1252..1338, 1253..1339, 1253..1339, 1413..1463, 1417..1485, 1417..1512, 1418..1513, 1596..1664, 1600..1671, 1669..1752, 1676..1747, 1678..1752, 1834..1950, 1838..1948, 2289..2333, 2293..2328		

Seq. No.	19853	Seq. ID	OJ990716_09.9B08.C10
Gene No.	41419	Strand	-
Start	1	End	2695
Name	OJ990716_09.9B08.C10.o1.ts	Method	TBLASTX:Soybean
Start	1678	End	1962
GI	none	Score	64
Exons	1678..1752, 1682..1753, 1834..1944, 1838..1945, 1852..1962		

Seq. No.	19854	Seq. ID	OJ990716_09.9B08.C11
Gene No.	41420	Strand	+
Start	3759	End	5959
Name	OJ990716_09.9B08.C11.o2.np	Method	AAT/NAP
Start	3759	End	5959
GI	6539582	Score	296
Exons	3759..4425, 5913..5959		
GI Descrip.	(AP000837) Similar to human dimethylaniline monooxygenase (AC002376) [Oryza sativa]		

Seq. No.	19854	Seq. ID	OJ990716_09.9B08.C11
Gene No.	41421	Strand	-
Start	216	End	926
Name	OJ990716_09.9B08.C11.o1.gs	Method	GENSCAN
Start	216	End	926
GI	none	Score	.5
Exons	216..293, 521..790, 912..926		

Seq. No.	19854	Seq. ID	OJ990716_09.9B08.C11
Gene No.	41421	Strand	-
Start	216	End	926
Name	OJ990716_09.9B08.C11.o1.np	Method	AAT/NAP

Start	515	End	639
GI	3395431	Score	81
Exons	515..639		
GI Descrip.	(AC004683) unknown protein [Arabidopsis thaliana]		

Seq. No.	19854	Seq. ID	OJ990716_09.9B08.C11
Gene No.	41422	Strand	-
Start	3800	End	8375
Name	OJ990716_09.9B08.C11.o2.gs	Method	GENSCAN
Start	3800	End	8375
GI	none	Score	.81
Exons	3800..4135, 4165..4370, 4426..4478, 4533..4696, 6231..6307, 7647..7768, 8368..8375		

Seq. No.	19855	Seq. ID	OJ990716_09.9B08.C12
Gene No.	41423	Strand	+
Start	2286	End	8316
Name	OJ990716_09.9B08.C12.o1.gs	Method	GENSCAN
Start	2286	End	6939
GI	none	Score	.6
Exons	2286..2336, 4621..4818, 5708..5845, 6320..6443, 6851..6939		

Seq. No.	19855	Seq. ID	OJ990716_09.9B08.C12
Gene No.	41423	Strand	+
Start	2286	End	8316
Name	OJ990716_09.9B08.C12.o1.np	Method	AAT/NAP
Start	5685	End	8316
GI	5295955	Score	712
Exons	5685..5777, 6320..6434, 7115..7360, 7457..7686, 7726..8175, 8203..8316		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	19855	Seq. ID	OJ990716_09.9B08.C12
Gene No.	41424	Strand	-
Start	7230	End	7786
Name	OJ990716_09.9B08.C12.o2.gs	Method	GENSCAN
Start	7230	End	7786
GI	none	Score	.84
Exons	7230..7408, 7453..7536, 7628..7786		

Seq. No.	19856	Seq. ID	OJ990716_09.9B08.C14
Gene No.	41425	Strand	+
Start	157	End	300
Name	OJ990716_09.9B08.C14.o1.gp	Method	AAT/GAP
Start	157	End	300
GI	none	Score	223
Exons	157..300		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o4.tm	Method	TBLASTX:Maize
Start	185	End	429
GI	none	Score	41
Exons	185..247, 217..429, 308..397		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o1.gs	Method	GENSCAN
Start	190	End	2244
GI	none	Score	.9
Exons	190..2244		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o1.np	Method	AAT/NAP
Start	193	End	2316
GI	4680179	Score	3411
Exons	193..2316		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o4.tw	Method	TBLASTX:Wheat
Start	238	End	571
GI	none	Score	107
Exons	238..570, 302..571		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o1.tm	Method	TBLASTX:Maize
Start	430	End	1017
GI	none	Score	167
Exons	430..699, 431..691, 760..858, 863..1009, 865..1011	761..856, 790..858, 856..1017,	

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o1.tw	Method	TBLASTX:Wheat
Start	571	End	1197
GI	none	Score	367
Exons	571..1197, 572..1141		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o3.tm	Method	TBLASTX:Maize
Start	1066	End	1358
GI	none	Score	158
Exons	1066..1356, 1070..1255, 1075..1287, 1167..1358		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o1.ts	Method	TBLASTX:Soybean
Start	1156	End	1416
GI	none	Score	54
Exons	1156..1224, 1156..1416, 1310..1411		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o1.tc	Method	TBLASTX:Cress
Start	1180	End	1506
GI	none	Score	64
Exons	1180..1323, 1181..1258, 1324..1506		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o3.tw	Method	TBLASTX:Wheat
Start	1204	End	1683
GI	none	Score	219
Exons	1204..1683, 1205..1588, 1210..1665		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o2.tw	Method	TBLASTX:Wheat
Start	1687	End	2196
GI	none	Score	305
Exons	1687..2196, 1778..2164		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o2.tm	Method	TBLASTX:Maize
Start	1771	End	2124
GI	none	Score	139
Exons	1771..2124, 1786..2082, 1856..2122		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o2.ts	Method	TBLASTX:Soybean
Start	1945	End	2187
GI	none	Score	197
Exons	1945..2187		

Seq. No.	19857	Seq. ID	OJ990716_09.9B08.C16
Gene No.	41426	Strand	-
Start	190	End	2316
Name	OJ990716_09.9B08.C16.o5.tm	Method	TBLASTX:Maize
Start	2131	End	2298
GI	none	Score	79
Exons	2131..2292, 2131..2298		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o1.np	Method	AAT/NAP
Start	1	End	2700
GI	6721517	Score	3781
Exons	1..1548, 1597..2349, 2429..2583, 2637..2700		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o2.tm	Method	TBLASTX:Maize
Start	4	End	411
GI	none	Score	44
Exons	4..411, 8..94, 140..400		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o1.gs	Method	GENSCAN
Start	12	End	3773
GI	none	Score	.48
Exons	12..2697, 3713..3773		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o2.tw	Method	TBLASTX:Wheat
Start	31	End	432
GI	none	Score	232
Exons	31..432, 32..394, 34..432		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o1.ts	Method	TBLASTX:Soybean
Start	144	End	540
GI	none	Score	126
Exons	144..497, 145..504, 146..388, 508..540	363..497, 427..501, 508..540,	

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o1.tm	Method	TBLASTX:Maize
Start	427	End	898
GI	none	Score	100
Exons	427..894, 460..807, 653..898		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o1.tw	Method	TBLASTX:Wheat
Start	481	End	967
GI	none	Score	313
Exons	481..963, 524..967		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o2.ts	Method	TBLASTX:Soybean
Start	613	End	894
GI	none	Score	66
Exons	613..894, 614..811		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o4.tw	Method	TBLASTX:Wheat
Start	1138	End	1492
GI	none	Score	79
Exons	1138..1491, 1177..1308, 1352..1492		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o3.tm	Method	TBLASTX:Maize
Start	1225	End	1545
GI	none	Score	209
Exons	1225..1545		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o4.tm	Method	TBLASTX:Maize
Start	1891	End	2187
GI	none	Score	108
Exons	1891..2187, 2000..2170		

Seq. No.	19858	Seq. ID	OJ990716_09.9B08.C17
Gene No.	41427	Strand	-
Start	1	End	3773
Name	OJ990716_09.9B08.C17.o3.tw	Method	TBLASTX:Wheat
Start	2068	End	2431
GI	none	Score	84
Exons	2068..2427, 2069..2302, 2327..2431		

Seq. No.	19859	Seq. ID	OJ990826_08.9B03.C1
Gene No.	41428	Strand	+
Start	354	End	3313
Name	OJ990826_08.9B03.C1.o1.np	Method	AAT/NAP
Start	354	End	3313
GI	5042463	Score	135
Exons	354..469, 1579..1772, 2430..2585, 2638..2751, 3284..3313		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	19859	Seq. ID	OJ990826_08.9B03.C1
Gene No.	41429	Strand	+
Start	7259	End	8575
Name	OJ990826_08.9B03.C1.o2.np	Method	AAT/NAP
Start	7259	End	8575
GI	6721561	Score	1054
Exons	7259..7325, 7415..7605, 7675..7733, 7814..8575		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19859	Seq. ID	OJ990826_08.9B03.C1
Gene No.	41430	Strand	-

Start	4863	End	6244
Name	OJ990826_08.9B03.C1.o2.gs	Method	GENSCAN
Start	4863	End	6244
GI	none	Score	.48
Exons	4863..5186, 5313..5403, 5424..5522, 5922..6244		

Seq. No.	19859	Seq. ID	OJ990826_08.9B03.C1
Gene No.	41431	Strand	-
Start	12072	End	16122
Name	OJ990826_08.9B03.C1.o3.np	Method	AAT/NAP
Start	12072	End	16122
GI	4680183	Score	112
Exons	12072..12204, 16052..16122		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19859	Seq. ID	OJ990826_08.9B03.C1
Gene No.	41432	Strand	-
Start	20754	End	26083
Name	OJ990826_08.9B03.C1.o4.np	Method	AAT/NAP
Start	20754	End	25845
GI	5295955	Score	949
Exons	20754..21332, 21368..21430, 21513..21832, 21860..21966, 22625..22736, 23279..23399, 25819..25845		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	19859	Seq. ID	OJ990826_08.9B03.C1
Gene No.	41432	Strand	-
Start	20754	End	26083
Name	OJ990826_08.9B03.C1.o5.np	Method	AAT/NAP
Start	24405	End	26083
GI	6907087	Score	748
Exons	24405..24506, 25048..26083		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19860	Seq. ID	OJ990826_08.9B03.C2
Gene No.	41433	Strand	+
Start	1	End	4902
Name	OJ990826_08.9B03.C2.o1.np	Method	AAT/NAP
Start	1	End	4902
GI	4680179	Score	273
Exons	1..349, 4874..4902		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19860	Seq. ID	OJ990826_08.9B03.C2
Gene No.	41433	Strand	+
Start	1	End	4902
Name	OJ990826_08.9B03.C2.o1.gs	Method	GENSCAN
Start	51	End	383
GI	none	Score	.9
Exons	51..383		

Seq. No.	19860	Seq. ID	OJ990826_08.9B03.C2
Gene No.	41434	Strand	-
Start	760	End	4970

Name	OJ990826_08.9B03.C2.o2.gs	Method	GENSCAN
Start	760	End	4970
GI	none	Score	.85
Exons	760..972, 1019..1186, 4086..4226, 4549..4672, 4948..4970		

Seq. No.	19860	Seq. ID	OJ990826_08.9B03.C2
Gene No.	41435	Strand	-
Start	6113	End	6576
Name	OJ990826_08.9B03.C2.o3.gs	Method	GENSCAN
Start	6113	End	6576
GI	none	Score	.59
Exons	6113..6576		

Seq. No.	19861	Seq. ID	OJ990826_08.9B03.C3
Gene No.	41436	Strand	-
Start	838	End	910
Name	OJ990826_08.9B03.C3.o1.gs	Method	GENSCAN
Start	838	End	910
GI	none	Score	.41
Exons	838..910		

Seq. No.	19862	Seq. ID	OJ990826_08.9B03.C4
Gene No.	41437	Strand	-
Start	312	End	479
Name	OJ990826_08.9B03.C4.o1.gs	Method	GENSCAN
Start	312	End	479
GI	none	Score	.5
Exons	312..479		

Seq. No.	19863	Seq. ID	OJ990826_08.9B03.C7
Gene No.	41438	Strand	+
Start	1	End	2514
Name	OJ990826_08.9B03.C7.o1.np	Method	AAT/NAP
Start	1	End	2514
GI	4680179	Score	483
Exons	1..726, 895..1029, 2363..2514		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19863	Seq. ID	OJ990826_08.9B03.C7
Gene No.	41438	Strand	+
Start	1	End	2514
Name	OJ990826_08.9B03.C7.o1.tw	Method	TBLASTX:Wheat
Start	3	End	361
GI	none	Score	160
Exons	3..161, 4..213, 271..357, 281..361		

Seq. No.	19863	Seq. ID	OJ990826_08.9B03.C7
Gene No.	41438	Strand	+
Start	1	End	2514
Name	OJ990826_08.9B03.C7.o1.gs	Method	GENSCAN
Start	43	End	2357
GI	none	Score	.59
Exons	43..264, 454..1101, 1485..1677, 2239..2357		

Seq. No.	19864	Seq. ID	OJ990826_08.9B03.C8
Gene No.	41439	Strand	+
Start	634	End	4351

Name	OJ990826_08.9B03.C8.o1.gs	Method	GENSCAN
Start	634	End	3589
GI	none	Score	.75
Exons	634..843, 973..1085, 1544..1753, 1933..1960, 2077..2193, 2555..3589		

Seq. No.	19864	Seq. ID	OJ990826_08.9B03.C8
Gene No.	41439	Strand	+
Start	634	End	4351
Name	OJ990826_08.9B03.C8.o1.np	Method	AAT/NAP
Start	2624	End	4351
GI	6815097	Score	1160
Exons	2624..3502, 3852..4351		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	19864	Seq. ID	OJ990826_08.9B03.C8
Gene No.	41439	Strand	+
Start	634	End	4351
Name	OJ990826_08.9B03.C8.o1.tc	Method	TBLASTX:Cress
Start	2720	End	2980
GI	none	Score	217
Exons	2720..2980		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41440	Strand	+
Start	92	End	3040
Name	OJ990826_08.9B03.C9.o1.gs	Method	GENSCAN
Start	92	End	962
GI	none	Score	.42
Exons	92..220, 417..833, 879..962		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41440	Strand	+
Start	92	End	3040
Name	OJ990826_08.9B03.C9.o1.np	Method	AAT/NAP
Start	126	End	3040
GI	6815097	Score	729
Exons	126..968, 3013..3040		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41441	Strand	-
Start	1	End	1596
Name	OJ990826_08.9B03.C9.o2.np	Method	AAT/NAP
Start	1	End	1596
GI	629693	Score	188
Exons	1..58, 1160..1596		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41442	Strand	-
Start	1729	End	3009
Name	OJ990826_08.9B03.C9.o3.ts	Method	TBLASTX:Soybean
Start	1304	End	1558

GI	none	Score	178
Exons	1304..1558		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41442	Strand	-
Start	1729	End	3009
Name	OJ990826_08.9B03.C9.o2.gs	Method	GENSCAN
Start	1729	End	2907
GI	none	Score	.81
Exons	1729..2907		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41442	Strand	-
Start	1729	End	3009
Name	OJ990826_08.9B03.C9.o2.tw	Method	TBLASTX:Wheat
Start	1897	End	2295
GI	none	Score	78
Exons	1897..2166, 2015..2155, 2206..2295		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41442	Strand	-
Start	1729	End	3009
Name	OJ990826_08.9B03.C9.o1.ts	Method	TBLASTX:Soybean
Start	1930	End	2340
GI	none	Score	106
Exons	1930..2181, 2015..2182, 2203..2340, 2207..2332		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41442	Strand	-
Start	1729	End	3009
Name	OJ990826_08.9B03.C9.o2.ts	Method	TBLASTX:Soybean
Start	2504	End	2961
GI	none	Score	90
Exons	2504..2635, 2521..2679, 2680..2961, 2831..2923		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41442	Strand	-
Start	1729	End	3009
Name	OJ990826_08.9B03.C9.o1.tw	Method	TBLASTX:Wheat
Start	2578	End	3003
GI	none	Score	37
Exons	2578..2679, 2582..2650, 2641..3003, 2645..2959		

Seq. No.	19865	Seq. ID	OJ990826_08.9B03.C9
Gene No.	41442	Strand	-
Start	1729	End	3009
Name	OJ990826_08.9B03.C9.o1.tm	Method	TBLASTX:Maize
Start	2647	End	3009
GI	none	Score	78
Exons	2647..3009, 2648..2773, 2719..3006		

Seq. No.	19866	Seq. ID	OJ990826_08.9B03.C10
Gene No.	41443	Strand	+
Start	854	End	1621
Name	OJ990826_08.9B03.C10.o1.np	Method	AAT/NAP
Start	854	End	1621
GI	4680183	Score	180

Exons	854..924, 1532..1621		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	19866	Seq. ID	OJ990826_08.9B03.C10
Gene No.	41444	Strand	-
Start	22	End	415
Name	OJ990826_08.9B03.C10.o1.gs	Method	GENSCAN
Start	22	End	415
GI	none	Score	.57
Exons	22..415		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41445	Strand	+
Start	1	End	4404
Name	OJ990826_08.9B03.C12.o1.np	Method	AAT/NAP
Start	1	End	4404
GI	6063554	Score	336
Exons	1..65, 2567..2867, 2985..3202, 3554..3582, 4229..4404		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41445	Strand	+
Start	1	End	4404
Name	OJ990826_08.9B03.C12.o1.gp	Method	AAT/GAP
Start	3049	End	3778
GI	101153_1.R1084	Score	483
Exons	3049..3200, 3550..3778		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41446	Strand	+
Start	6072	End	12094
Name	OJ990826_08.9B03.C12.o2.np	Method	AAT/NAP
Start	6072	End	12094
GI	5922631	Score	6398
Exons	6072..6196, 6455..6699, 6958..7160, 7206..7783, 7814..7965, 8092..8972, 9579..12094		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41446	Strand	+
Start	6072	End	12094
Name	OJ990826_08.9B03.C12.o3.gs	Method	GENSCAN
Start	6072	End	11816
GI	none	Score	.81
Exons	6072..7420, 7466..7641, 7696..7965, 8119..8265, 8419..8677, 8710..8964, 9061..10027, 10203..10553, 10681..11131, 11242..11816		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41447	Strand	-
Start	322	End	1392
Name	OJ990826_08.9B03.C12.o1.gs	Method	GENSCAN
Start	322	End	1392
GI	none	Score	.93
Exons	322..1392		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41448	Strand	-
Start	2930	End	4208
Name	OJ990826_08.9B03.C12.o2.gs	Method	GENSCAN
Start	2930	End	4208
GI	none	Score	.52
Exons	2930..3357, 4130..4208		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41449	Strand	-
Start	4786	End	5136
Name	OJ990826_08.9B03.C12.o2.gp	Method	AAT/GAP
Start	4786	End	5136
GI	61605_3.R1084	Score	420
Exons	4786..5058, 5108..5136		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o8.tw	Method	TBLASTX:Wheat
Start	7388	End	7790
GI	none	Score	248
Exons	7388..7696, 7389..7790		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o7.tw	Method	TBLASTX:Wheat
Start	8409	End	8756
GI	none	Score	295
Exons	8409..8756, 8462..8755		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o2.tw	Method	TBLASTX:Wheat
Start	8954	End	9313
GI	none	Score	427
Exons	8954..9313, 8960..9298, 8968..9312		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o3.ts	Method	TBLASTX:Soybean
Start	9029	End	9394
GI	none	Score	128

Exons	9029..9253, 9260..9394		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o2.tm	Method	TBLASTX:Maize
Start	9119	End	9475
GI	none	Score	361
Exons	9119..9475, 9160..9465		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o1.tw	Method	TBLASTX:Wheat
Start	9344	End	9763
GI	none	Score	474
Exons	9344..9763, 9346..9762		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o4.tm	Method	TBLASTX:Maize
Start	9479	End	9706
GI	none	Score	202
Exons	9479..9706, 9481..9522, 9607..9702		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o1.ts	Method	TBLASTX:Soybean
Start	9647	End	10039
GI	none	Score	251
Exons	9647..10039, 9650..9799, 9655..9813		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o3.tm	Method	TBLASTX:Maize
Start	9707	End	10150
GI	none	Score	243
Exons	9707..9961, 9734..9955, 9739..9960, 9953..10114, 9995..10114, 10124..10150		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o6.tw	Method	TBLASTX:Wheat
Start	9805	End	10222
GI	none	Score	342
Exons	9805..9993, 9809..10222		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o2.ts	Method	TBLASTX:Soybean
Start	10266	End	10654
GI	none	Score	236

Exons	10266..10652, 10274..10654		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o5.tw	Method	TBLASTX:Wheat
Start	10275	End	10667
GI	none	Score	357
Exons	10275..10667, 10280..10621		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o1.tm	Method	TBLASTX:Maize
Start	10998	End	11324
GI	none	Score	190
Exons	10998..11153, 10999..11154, 11147..11323, 11148..11324		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o4.tw	Method	TBLASTX:Wheat
Start	11004	End	11392
GI	none	Score	169
Exons	11004..11153, 11005..11154, 11144..11314, 11145..11390, 11345..11392		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o6.tm	Method	TBLASTX:Maize
Start	11462	End	11735
GI	none	Score	95
Exons	11462..11569, 11463..11561, 11552..11626, 11556..11636, 11649..11735		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o3.tw	Method	TBLASTX:Wheat
Start	11505	End	12118
GI	none	Score	327
Exons	11505..11918, 11525..11614, 11666..11767, 11981..12118		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o5.tm	Method	TBLASTX:Maize
Start	11826	End	12079
GI	none	Score	74
Exons	11826..11915, 11924..11998, 11977..12051, 11978..12079		
Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o4.gs	Method	GENSCAN
Start	12381	End	14612

GI	none	Score	.84
Exons	12381..12851, 13161..13440, 13523..13752, 14437..14612		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o3.np	Method	AAT/NAP
Start	12456	End	14511
GI	6691716	Score	1633
Exons	12456..12904, 12975..13440, 13523..14511		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19867	Seq. ID	OJ990826_08.9B03.C12
Gene No.	41450	Strand	-
Start	12381	End	14612
Name	OJ990826_08.9B03.C12.o9.tw	Method	TBLASTX:Wheat
Start	14101	End	14391
GI	none	Score	208
Exons	14101..14391		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41451	Strand	+
Start	1	End	1775
Name	OJ990826_08.9B03.C13.o1.np	Method	AAT/NAP
Start	1	End	1775
GI	6630685	Score	2746
Exons	1..1775		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41452	Strand	+
Start	2712	End	12199
Name	OJ990826_08.9B03.C13.o2.np	Method	AAT/NAP
Start	2712	End	8676
GI	6691191	Score	2063
Exons	2712..2748, 6040..8676		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41452	Strand	+
Start	2712	End	12199
Name	OJ990826_08.9B03.C13.o3.gs	Method	GENSCAN
Start	7373	End	8007
GI	none	Score	.68
Exons	7373..7384, 7564..8007		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41452	Strand	+
Start	2712	End	12199
Name	OJ990826_08.9B03.C13.o4.gs	Method	GENSCAN
Start	8461	End	12199
GI	none	Score	.61
Exons	8461..8592, 9013..9366, 9377..9563, 9704..9810, 10250..10257, 12133..12199		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o3.tm	Method	TBLASTX:Maize
Start	77	End	430
GI	none	Score	447
Exons	77..430, 114..428		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o1.ts	Method	TBLASTX:Soybean
Start	136	End	745
GI	5509260	Score	223
Exons	136..159, 138..353, 230..352, 362..745, 363..743		
GI Descrip.	-		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o1.tw	Method	TBLASTX:Wheat
Start	264	End	725
GI	none	Score	92
Exons	264..353, 384..725, 386..718		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o2.tc	Method	TBLASTX:Cress
Start	345	End	626
GI	none	Score	214
Exons	345..626, 347..592		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o2.tm	Method	TBLASTX:Maize
Start	547	End	985
GI	none	Score	365
Exons	547..789, 548..790, 549..788, 796..984	550..789, 788..985, 791..982,	

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o7.tw	Method	TBLASTX:Wheat
Start	917	End	1333
GI	none	Score	80
Exons	917..1069, 1097..1333		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o1.tm	Method	TBLASTX:Maize
Start	1100	End	1796
GI	none	Score	534

Exons	1100..1465, 1108..1461, 1460..1792, 1461..1796, 1693..1794		
Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o2.ts	Method	TBLASTX:Soybean
Start	1118	End	1760
GI	none	Score	271
Exons	1118..1474, 1123..1455, 1476..1508, 1520..1612, 1527..1760		
Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o8.tw	Method	TBLASTX:Wheat
Start	1343	End	1724
GI	none	Score	86
Exons	1343..1465, 1536..1724, 1542..1709, 1595..1711		
Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o2.gs	Method	GENSCAN
Start	4531	End	6816
GI	none	Score	.68
Exons	4531..4975, 6533..6816		
Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o3.tw	Method	TBLASTX:Wheat
Start	6195	End	6585
GI	none	Score	269
Exons	6195..6500, 6197..6499, 6499..6585		
Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41453	Strand	-
Start	4531	End	6816
Name	OJ990826_08.9B03.C13.o4.ts	Method	TBLASTX:Soybean
Start	6195	End	6606
GI	none	Score	248
Exons	6195..6500, 6197..6499, 6499..6606, 6499..6594		
Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41454	Strand	
Start	6807	End	7160
Name	OJ990826_08.9B03.C13.o2.tw	Method	TBLASTX:Wheat
Start	6807	End	7160
GI	none	Score	409
Exons	6807..7160, 6830..7072		
Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41454	Strand	
Start	6807	End	7160
Name	OJ990826_08.9B03.C13.o6.ts	Method	TBLASTX:Soybean
Start	6807	End	7082
GI	none	Score	222
Exons	6807..7082, 6827..7063		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41455	Strand	
Start	7187	End	7752
Name	OJ990826_08.9B03.C13.o5.tw	Method	TBLASTX:Wheat
Start	7187	End	7656
GI	none	Score	180
Exons	7187..7387, 7190..7321, 7399..7473, 7453..7656		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41455	Strand	
Start	7187	End	7752
Name	OJ990826_08.9B03.C13.o7.ts	Method	TBLASTX:Soybean
Start	7193	End	7333
GI	none	Score	203
Exons	7193..7333, 7193..7309		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41455	Strand	
Start	7187	End	7752
Name	OJ990826_08.9B03.C13.o1.tc	Method	TBLASTX:Cress
Start	7450	End	7752
GI	none	Score	275
Exons	7450..7752, 7464..7550, 7602..7751		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41456	Strand	
Start	7773	End	8094
Name	OJ990826_08.9B03.C13.o5.ts	Method	TBLASTX:Soybean
Start	7773	End	8094
GI	none	Score	51
Exons	7773..7802, 7774..7800, 7834..8094, 7836..8093		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41456	Strand	
Start	7773	End	8094
Name	OJ990826_08.9B03.C13.o6.tw	Method	TBLASTX:Wheat
Start	7836	End	8082
GI	none	Score	216
Exons	7836..7991, 7837..8082		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41457	Strand	
Start	8095	End	8585
Name	OJ990826_08.9B03.C13.o3.ts	Method	TBLASTX:Soybean
Start	8095	End	8585
GI	none	Score	312
Exons	8095..8484, 8097..8483, 8493..8585, 8494..8583		

Seq. No.	19868	Seq. ID	OJ990826_08.9B03.C13
Gene No.	41457	Strand	
Start	8095	End	8585
Name	OJ990826_08.9B03.C13.o4.tw	Method	TBLASTX:Wheat
Start	8107	End	8487
GI	none	Score	346
Exons	8107..8487, 8166..8486		

Seq. No.	19869	Seq. ID	OJ990826_08.9B03.C14
Gene No.	41458	Strand	+
Start	1	End	3263
Name	OJ990826_08.9B03.C14.o1.np	Method	AAT/NAP
Start	1	End	3263
GI	4680179	Score	551
Exons	1..709, 872..1116, 3129..3263		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19869	Seq. ID	OJ990826_08.9B03.C14
Gene No.	41458	Strand	+
Start	1	End	3263
Name	OJ990826_08.9B03.C14.o1.tw	Method	TBLASTX:Wheat
Start	92	End	451
GI	none	Score	262
Exons	92..451, 94..387, 161..451		

Seq. No.	19869	Seq. ID	OJ990826_08.9B03.C14
Gene No.	41458	Strand	+
Start	1	End	3263
Name	OJ990826_08.9B03.C14.o1.gs	Method	GENSCAN
Start	149	End	2573
GI	none	Score	.59
Exons	149..594, 815..1190, 1578..1770, 2464..2573		

Seq. No.	19869	Seq. ID	OJ990826_08.9B03.C14
Gene No.	41458	Strand	+
Start	1	End	3263
Name	OJ990826_08.9B03.C14.o1.tm	Method	TBLASTX:Maize
Start	332	End	595
GI	none	Score	188
Exons	332..595, 346..435		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41459	Strand	+
Start	709	End	3017
Name	OJ990826_08.9B03.C15.o1.np	Method	AAT/NAP
Start	709	End	3017
GI	4680179	Score	3105
Exons	709..3017		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41460	Strand	+
Start	4204	End	4585
Name	OJ990826_08.9B03.C15.o1.gp	Method	AAT/GAP
Start	4204	End	4585
GI	uC-osflcyp033a04b1	Score	659
Exons	4204..4585		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41461	Strand	+
Start	5800	End	7493
Name	OJ990826_08.9B03.C15.o3.np	Method	AAT/NAP
Start	5800	End	7493

GI	3645899	Score	648
Exons	5800..6507, 7458..7493		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o4.np	Method	AAT/NAP
Start	335	End	7493
GI	5852180	Score	437
Exons	335..388, 2925..3284, 3336..3453, 4434..4487, 7401..7493		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o1.ts	Method	TBLASTX:Soybean
Start	712	End	1002
GI	none	Score	370
Exons	712..1002, 714..1001		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o4.tw	Method	TBLASTX:Wheat
Start	715	End	1017
GI	none	Score	361
Exons	715..1017, 717..1001		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o5.tm	Method	TBLASTX:Maize
Start	736	End	1083
GI	none	Score	338
Exons	736..1083, 741..1082		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o3.tw	Method	TBLASTX:Wheat
Start	1018	End	1443
GI	none	Score	599
Exons	1018..1443, 1050..1439, 1081..1443		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o3.ts	Method	TBLASTX:Soybean
Start	1024	End	1269
GI	none	Score	210
Exons	1024..1269, 1041..1268		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o2.tm	Method	TBLASTX:Maize

Start	1089	End	1452
GI	none	Score	484
Exons	1089..1439, 1090..1443, 1090..1452		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o2.tw	Method	TBLASTX:Wheat
Start	1474	End	2010
GI	none	Score	654
Exons	1474..2010, 1518..2009		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o2.ts	Method	TBLASTX:Soybean
Start	1803	End	2058
GI	none	Score	277
Exons	1803..2057, 1804..2058, 1855..2058		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o4.tm	Method	TBLASTX:Maize
Start	1856	End	2148
GI	none	Score	89
Exons	1856..2011, 1857..2144, 1858..2148		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o1.tw	Method	TBLASTX:Wheat
Start	2023	End	2643
GI	none	Score	673
Exons	2023..2643, 2073..2522, 2389..2640, 2583..2642		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o1.tm	Method	TBLASTX:Maize
Start	2197	End	2796
GI	none	Score	224
Exons	2197..2358, 2205..2351, 2356..2796, 2358..2516, 2518..2772, 2580..2780		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o5.tw	Method	TBLASTX:Wheat
Start	2643	End	2940
GI	none	Score	319
Exons	2643..2912, 2644..2940		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o2.np	Method	AAT/NAP

Start	4137	End	7493
GI	4680186	Score	358
Exons	4137..4337, 5177..5231, 7401..7493		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o6.tm	Method	TBLASTX:Maize
Start	5688	End	6072
GI	none	Score	100
Exons	5688..5780, 5690..5782, 5809..6072, 5829..6047		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o7.tw	Method	TBLASTX:Wheat
Start	5824	End	6078
GI	none	Score	192
Exons	5824..6078, 5838..6059		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o3.tm	Method	TBLASTX:Maize
Start	6172	End	6507
GI	none	Score	458
Exons	6172..6507, 6177..6506		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o6.tw	Method	TBLASTX:Wheat
Start	6177	End	6423
GI	none	Score	261
Exons	6177..6407, 6178..6423		

Seq. No.	19870	Seq. ID	OJ990826_08.9B03.C15
Gene No.	41462	Strand	-
Start	335	End	7493
Name	OJ990826_08.9B03.C15.o2.gs	Method	GENSCAN
Start	7203	End	7358
GI	none	Score	.71
Exons	7203..7358		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41463	Strand	+
Start	109	End	1878
Name	OJ990826_08.9B03.C16.o1.gs	Method	GENSCAN
Start	109	End	1878
GI	none	Score	.55
Exons	109..250, 1850..1878		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41463	Strand	+
Start	109	End	1878
Name	OJ990826_08.9B03.C16.o2.gp	Method	AAT/GAP

Start	1027	End	1409
GI	uC-osflcyp033a04b1	Score	676
Exons	1027..1409		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41464	Strand	+
Start	2375	End	4040
Name	OJ990826_08.9B03.C16.o2.np	Method	AAT/NAP
Start	2375	End	4040
GI	6630685	Score	2059
Exons	2375..4040		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o1.np	Method	AAT/NAP
Start	1	End	6759
GI	5852180	Score	259
Exons	1..103, 155..272, 1258..1323, 6738..6759		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o2.tw	Method	TBLASTX:Wheat
Start	2119	End	2358
GI	none	Score	241
Exons	2119..2349, 2125..2358		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o3.tm	Method	TBLASTX:Maize
Start	2122	End	2385
GI	none	Score	332
Exons	2122..2385, 2127..2378		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o3.ts	Method	TBLASTX:Soybean
Start	2200	End	2382
GI	none	Score	184
Exons	2200..2382, 2229..2378		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o4.tm	Method	TBLASTX:Maize
Start	2388	End	2699
GI	none	Score	241
Exons	2388..2621, 2418..2621, 2432..2635, 2627..2698, 2631..2699		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o1.ts	Method	TBLASTX:Soybean
Start	2403	End	3015
GI	5509260	Score	298
Exons	2403..2699, 2498..2698, 2692..3015, 2696..3010, 2800..3015		
GI Descrip.	-		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o1.tw	Method	TBLASTX:Wheat
Start	2532	End	3007
GI	none	Score	84
Exons	2532..2621, 2628..2654, 2655..2699, 2663..2698, 2692..2997, 2692..2790, 2696..3001, 2815..3000, 2831..3007		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o2.tm	Method	TBLASTX:Maize
Start	2822	End	3253
GI	none	Score	559
Exons	2822..3253, 2831..3250, 3106..3252		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o3.tw	Method	TBLASTX:Wheat
Start	3191	End	3622
GI	none	Score	101
Exons	3191..3352, 3365..3622		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o1.tm	Method	TBLASTX:Maize
Start	3377	End	4062
GI	none	Score	504
Exons	3377..3754, 3382..3753, 3740..3826, 3756..4037, 3758..4051, 3759..4052, 3952..4062, 3953..4042		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o2.ts	Method	TBLASTX:Soybean
Start	3389	End	4070
GI	none	Score	256
Exons	3389..3754, 3391..3732, 3801..4070, 3809..3976		

Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o3.np	Method	AAT/NAP
Start	5350	End	9016
GI	6721516	Score	581

Exons	5350..5569, 8014..8054, 8124..8353, 8767..9016		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o4.np	Method	AAT/NAP
Start	8842	End	11845
GI	5917666	Score	219
Exons	8842..8961, 10020..11128, 11802..11845		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		
Seq. No.	19871	Seq. ID	OJ990826_08.9B03.C16
Gene No.	41465	Strand	-
Start	1	End	11845
Name	OJ990826_08.9B03.C16.o3.gs	Method	GENSCAN
Start	9969	End	10463
GI	none	Score	.94
Exons	9969..10063, 10168..10299, 10392..10463		
Seq. No.	19872	Seq. ID	OJ990826_08.9B03.C17
Gene No.	41466	Strand	+
Start	616	End	1246
Name	OJ990826_08.9B03.C17.o1.np	Method	AAT/NAP
Start	616	End	1246
GI	5852181	Score	126
Exons	616..908, 1213..1246		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	19873	Seq. ID	OJ990826_04.9B03.C1
Gene No.	41467	Strand	-
Start	407	End	747
Name	OJ990826_04.9B03.C1.o1.gs	Method	GENSCAN
Start	407	End	721
GI	none	Score	1
Exons	407..721		
Seq. No.	19873	Seq. ID	OJ990826_04.9B03.C1
Gene No.	41467	Strand	-
Start	407	End	747
Name	OJ990826_04.9B03.C1.o1.np	Method	AAT/NAP
Start	411	End	747
GI	6016874	Score	517
Exons	411..747		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	19873	Seq. ID	OJ990826_04.9B03.C1
Gene No.	41467	Strand	-
Start	407	End	747
Name	OJ990826_04.9B03.C1.o1.tm	Method	TBLASTX:Maize
Start	473	End	716
GI	none	Score	88
Exons	473..706, 558..716		
Seq. No.	19873	Seq. ID	OJ990826_04.9B03.C1

Gene No.	41467	Strand	-
Start	407	End	747
Name	OJ990826_04.9B03.C1.o1.ts	Method	TBLASTX:Soybean
Start	503	End	704
GI	none	Score	108
Exons	503..703, 588..704		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41468	Strand	+
Start	204	End	1150
Name	OJ990826_04.9B03.C2.o1.np	Method	AAT/NAP
Start	204	End	942
GI	3668097	Score	462
Exons	204..372, 557..727, 817..942		
GI Descrip.	(AC004667) glycine decarboxylase complex H-protein [Arabidopsis thaliana]		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41468	Strand	+
Start	204	End	1150
Name	OJ990826_04.9B03.C2.o1.gp	Method	AAT/GAP
Start	281	End	1150
GI	30856_1.R1084	Score	1087
Exons	281..372, 557..727, 817..1150		
GI Descrip.	'3668097 3.0e-57 (AC004667) putative glycine cleavage system protein H precursor [Arabidopsis thaliana]'		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41468	Strand	+
Start	204	End	1150
Name	OJ990826_04.9B03.C2.o1.gs	Method	GENSCAN
Start	284	End	945
GI	none	Score	.97
Exons	284..372, 557..727, 817..945		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o1.tc	Method	TBLASTX:Cress
Start	273	End	948
GI	none	Score	137
Exons	273..362, 283..372, 479..538, 548..730, 554..745, 556..738, 817..948, 817..945		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o1.ts	Method	TBLASTX:Soybean
Start	273	End	945
GI	none	Score	143
Exons	273..362, 283..372, 283..372, 547..663, 552..665, 553..738, 554..745, 817..945, 832..945		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o1.tm	Method	TBLASTX:Maize

Start	273	End	945
GI	none	Score	157
Exons	273..368, 283..372, 286..372, 293..373, 294..377, 553..738, 554..745, 554..745, 805..945, 817..936		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o2.gp	Method	AAT/GAP
Start	1504	End	2454
GI	70222_1.R1084	Score	963
Exons	1504..1821, 2013..2130, 2353..2454		
GI Descrip.	'629858/pir||S45368 1.0e-37 protein kinase C inhibitor - maize'		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o2.tm	Method	TBLASTX:Maize
Start	1754	End	2503
GI	none	Score	116
Exons	1754..1819, 2008..2130, 2012..2131, 2353..2499, 2363..2503		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o2.np	Method	AAT/NAP
Start	1757	End	2813
GI	4512627	Score	472
Exons	1757..1822, 1921..2130, 2353..2500, 2582..2813		
GI Descrip.	(AC004793) Similar to gb|Z29643 protein kinase C inhibitor (PKCI) from Zea mays and a member of HIT family PF|01230. [Arabidopsis thaliana]		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o2.ts	Method	TBLASTX:Soybean
Start	1763	End	2499
GI	none	Score	75
Exons	1763..1822, 2014..2130, 2015..2131, 2353..2499, 2354..2497, 2362..2499		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o2.gs	Method	GENSCAN
Start	1886	End	4157
GI	none	Score	.67
Exons	1886..1947, 2013..2130, 2353..2537, 2582..2668, 3380..3398, 3429..3611, 3929..4017, 4049..4157		

Seq. No.	19874	Seq. ID	OJ990826_04.9B03.C2
Gene No.	41469	Strand	-
Start	1504	End	4157
Name	OJ990826_04.9B03.C2.o2.tc	Method	TBLASTX:Cress
Start	2056	End	2503
GI	none	Score	70

Exons	2056..2130, 2057..2131, 2351..2497, 2353..2499, 2354..2503		
Seq. No.	19875	Seq. ID	OJ990826_04.9B03.C4
Gene No.	41470	Strand	+
Start	1	End	450
Name	OJ990826_04.9B03.C4.o1.np	Method	AAT/NAP
Start	1	End	450
GI	3193327	Score	296
Exons	1..450		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		
Seq. No.	19875	Seq. ID	OJ990826_04.9B03.C4
Gene No.	41470	Strand	+
Start	1	End	450
Name	OJ990826_04.9B03.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	430
GI	none	Score	45
Exons	2..28, 17..118, 47..115, 105..203, 118..231, 119..220, 120..236, 207..269, 220..270, 220..270, 258..350, 267..302, 268..348, 379..429, 380..430		
Seq. No.	19876	Seq. ID	OJ990826_04.9B03.C5
Gene No.	41471	Strand	+
Start	302	End	511
Name	OJ990826_04.9B03.C5.o1.tm	Method	TBLASTX:Maize
Start	299	End	511
GI	none	Score	177
Exons	299..430, 301..441, 301..405, 324..446, 431..511, 449..496, 451..507		
Seq. No.	19876	Seq. ID	OJ990826_04.9B03.C5
Gene No.	41471	Strand	+
Start	302	End	511
Name	OJ990826_04.9B03.C5.o1.gs	Method	GENSCAN
Start	302	End	430
GI	none	Score	.76
Exons	302..430		
Seq. No.	19877	Seq. ID	OJ990826_04.9B03.C6
Gene No.	41472	Strand	+
Start	3258	End	5067
Name	OJ990826_04.9B03.C6.o1.np	Method	AAT/NAP
Start	3258	End	5067
GI	4321762	Score	110
Exons	3258..3383, 4288..4420, 5042..5067		
GI Descrip.	(AF061107) transcription factor MYC7E [Zea mays]		
Seq. No.	19877	Seq. ID	OJ990826_04.9B03.C6
Gene No.	41473	Strand	+
Start	5798	End	6471
Name	OJ990826_04.9B03.C6.o1.gp	Method	AAT/GAP
Start	5389	End	5615
GI	5004057	Score	343
Exons	5389..5615		
Seq. No.	19877	Seq. ID	OJ990826_04.9B03.C6
Gene No.	41473	Strand	+

Start	5798	End	6471
Name	OJ990826_04.9B03.C6.o2.gs	Method	GENSCAN
Start	5798	End	6471
GI	none	Score	.91
Exons	5798..5924, 6038..6194, 6325..6471		

Seq. No.	19877	Seq. ID	OJ990826_04.9B03.C6
Gene No.	41474	Strand	-
Start	4182	End	6417
Name	OJ990826_04.9B03.C6.o2.np	Method	AAT/NAP
Start	4182	End	6417
GI	4321762	Score	56
Exons	4182..4279, 6254..6417		
GI Descrip.	(AF061107) transcription factor MYC7E [Zea mays]		

Seq. No.	19877	Seq. ID	OJ990826_04.9B03.C6
Gene No.	41474	Strand	-
Start	4182	End	6417
Name	OJ990826_04.9B03.C6.o3.np	Method	AAT/NAP
Start	4521	End	4619
GI	5777617	Score	98
Exons	4521..4619		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41475	Strand	+
Start	231	End	2560
Name	OJ990826_04.9B03.C7.o1.gs	Method	GENSCAN
Start	231	End	2560
GI	none	Score	.8
Exons	231..315, 555..649, 955..1124, 1535..1768, 1798..2560		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41476	Strand	+
Start	3956	End	8466
Name	OJ990826_04.9B03.C7.o2.gs	Method	GENSCAN
Start	3956	End	8466
GI	none	Score	.45
Exons	3956..4128, 5740..6116, 6284..6408, 6520..6654, 7027..7563, 7996..8466		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41476	Strand	+
Start	3956	End	8466
Name	OJ990826_04.9B03.C7.o1.np	Method	AAT/NAP
Start	5819	End	7617
GI	6721561	Score	947
Exons	5819..5887, 6475..6654, 6726..6788, 6859..7617		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41477	Strand	+
Start	17001	End	18095

Name	OJ990826_04.9B03.C7.o4.gs	Method	GENSCAN
Start	17001	End	18095
GI	none	Score	.48
Exons	17001..18095		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41478	Strand	+
Start	19996	End	20319
Name	OJ990826_04.9B03.C7.o5.gs	Method	GENSCAN
Start	19996	End	20319
GI	none	Score	.99
Exons	19996..20037, 20044..20319		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41479	Strand	-
Start	9081	End	12191
Name	OJ990826_04.9B03.C7.o2.np	Method	AAT/NAP
Start	9081	End	12191
GI	5902445	Score	3047
Exons	9081..10374, 10417..12191		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o1.tm	Method	TBLASTX:Maize
Start	1650	End	18071
GI	none	Score	87
Exons	1650..1796, 2138..2326, 2303..2533, 17039..17137, 17046..17150, 17499..17768, 17555..17713, 17556..17738, 17808..17975, 17988..18071		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o3.tw	Method	TBLASTX:Wheat
Start	1933	End	12893
GI	none	Score	151
Exons	1933..2091, 12438..12674, 12448..12672, 12711..12893, 12712..12885		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o1.tc	Method	TBLASTX:Cress
Start	2126	End	17753
GI	none	Score	95
Exons	2126..2260, 2333..2401, 17499..17753		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o1.ts	Method	TBLASTX:Soybean
Start	2132	End	18071
GI	none	Score	101
Exons	2132..2326, 2179..2283, 2303..2401, 2332..2376, 2444..2533, 2461..2568, 17499..17768, 17519..17725, 17808..17975,		

17945..18061, 17988..18071

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o8.tw	Method	TBLASTX:Wheat
Start	2327	End	18083
GI	none	Score	77
Exons	2327..2398, 17670..17744, 17814..17975, 17984..18082, 17985..18083		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o5.tw	Method	TBLASTX:Wheat
Start	9090	End	9677
GI	none	Score	70
Exons	9090..9221, 9091..9216, 9246..9407, 9387..9677, 9448..9540, 9589..9675		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o4.tw	Method	TBLASTX:Wheat
Start	9684	End	10065
GI	none	Score	190
Exons	9684..10064, 9721..9963, 10009..10065		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o3.tm	Method	TBLASTX:Maize
Start	9891	End	10196
GI	none	Score	173
Exons	9891..10196, 9892..10179		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o9.tw	Method	TBLASTX:Wheat
Start	10401	End	10655
GI	none	Score	67
Exons	10401..10655, 10528..10653		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o7.tw	Method	TBLASTX:Wheat
Start	10698	End	11105
GI	none	Score	57
Exons	10698..10769, 10698..10871, 10881..10937, 10942..11022, 11007..11105		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o2.ts	Method	TBLASTX:Soybean

Start	11196	End	11621
GI	none	Score	86
Exons	11196..11621, 11437..11562		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o2.tw	Method	TBLASTX:Wheat
Start	11251	End	11675
GI	none	Score	244
Exons	11251..11565, 11253..11675, 11271..11675		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o4.tm	Method	TBLASTX:Maize
Start	11349	End	11732
GI	none	Score	115
Exons	11349..11732, 11350..11565, 11595..11705		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o2.tm	Method	TBLASTX:Maize
Start	11760	End	12116
GI	none	Score	224
Exons	11760..12116, 11761..12054		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o1.tw	Method	TBLASTX:Wheat
Start	11790	End	12245
GI	none	Score	359
Exons	11790..12245, 11791..12237, 11805..12245		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o3.np	Method	AAT/NAP
Start	12258	End	20341
GI	5902444	Score	1048
Exons	12258..13920, 14220..14352, 17916..18062, 20302..20341		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341
Name	OJ990826_04.9B03.C7.o6.tw	Method	TBLASTX:Wheat
Start	13524	End	13922
GI	none	Score	81
Exons	13524..13784, 13525..13752, 13758..13871, 13810..13860, 13872..13922		

Seq. No.	19878	Seq. ID	OJ990826_04.9B03.C7
Gene No.	41480	Strand	-
Start	12258	End	20341

Name	OJ990826_04.9B03.C7.o5.tm	Method	TBLASTX:Maize
Start	13638	End	13877
GI	none	Score	198
Exons	13638..13877		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41481	Strand	+
Start	1	End	543
Name	OJ990826_04.9B03.C8.o1.np	Method	AAT/NAP
Start	1	End	519
GI	4680338	Score	434
Exons	1..519		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41481	Strand	+
Start	1	End	543
Name	OJ990826_04.9B03.C8.o1.gs	Method	GENSCAN
Start	91	End	543
GI	none	Score	.52
Exons	91..543		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41482	Strand	+
Start	2208	End	2614
Name	OJ990826_04.9B03.C8.o1.gp	Method	AAT/GAP
Start	2208	End	2594
GI	611_1.R1084	Score	542
Exons	2208..2281, 2377..2594		
GI Descrip.	'129916/sp|P12783|PGKY_WHEAT 1.0e-38 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir__TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]'		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41482	Strand	+
Start	2208	End	2614
Name	OJ990826_04.9B03.C8.o2.np	Method	AAT/NAP
Start	2399	End	2614
GI	129916	Score	249
Exons	2399..2614		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi|66911|pir||TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi|21835|emb|CAA33302| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41483	Strand	-
Start	1963	End	2599
Name	OJ990826_04.9B03.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	512
GI	none	Score	218
Exons	1..219, 9..119, 147..188, 240..365, 241..411, 412..504, 423..512		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41483	Strand	-
Start	1963	End	2599

Name	OJ990826_04.9B03.C8.o2.tc	Method	TBLASTX:Cress
Start	1	End	219
GI	none	Score	189
Exons	1..219		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41483	Strand	-
Start	1963	End	2599
Name	OJ990826_04.9B03.C8.o1.tm	Method	TBLASTX:Maize
Start	15	End	512
GI	none	Score	206
Exons	15..188, 16..219, 241..411, 412..504, 423..512		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41483	Strand	-
Start	1963	End	2599
Name	OJ990826_04.9B03.C8.o1.tw	Method	TBLASTX:Wheat
Start	115	End	513
GI	none	Score	81
Exons	115..225, 235..408, 423..488, 424..513		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41483	Strand	-
Start	1963	End	2599
Name	OJ990826_04.9B03.C8.o2.gs	Method	GENSCAN
Start	1963	End	2590
GI	none	Score	.6
Exons	1963..2150, 2431..2590		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41483	Strand	-
Start	1963	End	2599
Name	OJ990826_04.9B03.C8.o1.tc	Method	TBLASTX:Cress
Start	2279	End	2599
GI	none	Score	266
Exons	2279..2599, 2398..2586, 2399..2593		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41483	Strand	-
Start	1963	End	2599
Name	OJ990826_04.9B03.C8.o2.ts	Method	TBLASTX:Soybean
Start	2388	End	2599
GI	none	Score	264
Exons	2388..2492, 2395..2592, 2396..2599		

Seq. No.	19879	Seq. ID	OJ990826_04.9B03.C8
Gene No.	41483	Strand	-
Start	1963	End	2599
Name	OJ990826_04.9B03.C8.o2.tm	Method	TBLASTX:Maize
Start	2395	End	2599
GI	none	Score	189
Exons	2395..2592, 2398..2595, 2399..2599		

Seq. No.	19880	Seq. ID	OJ990826_04.9B03.C9
Gene No.	41484	Strand	+
Start	186	End	1617
Name	OJ990826_04.9B03.C9.o1.tc	Method	TBLASTX:Cress

Start	178	End	1339
GI	none	Score	139
Exons	178..315, 234..314, 415..705, 417..680, 418..684, 1017..1289, 1018..1293, 1019..1339		

Seq. No.	19880	Seq. ID	OJ990826_04.9B03.C9
Gene No.	41484	Strand	+
Start	186	End	1617
Name	OJ990826_04.9B03.C9.o1.ts	Method	TBLASTX:Soybean
Start	178	End	1339
GI	none	Score	125
Exons	178..315, 234..314, 414..683, 418..684, 434..697, 1017..1289, 1018..1293, 1019..1339		

Seq. No.	19880	Seq. ID	OJ990826_04.9B03.C9
Gene No.	41484	Strand	+
Start	186	End	1617
Name	OJ990826_04.9B03.C9.o1.tm	Method	TBLASTX:Maize
Start	178	End	1339
GI	none	Score	145
Exons	178..315, 233..310, 234..314, 417..683, 418..684, 419..703, 422..724, 1017..1286, 1017..1214, 1018..1296, 1019..1339		

Seq. No.	19880	Seq. ID	OJ990826_04.9B03.C9
Gene No.	41484	Strand	+
Start	186	End	1617
Name	OJ990826_04.9B03.C9.o1.np	Method	AAT/NAP
Start	186	End	1617
GI	129916	Score	911
Exons	186..312, 418..678, 1019..1351, 1541..1617		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi|66911|pir||TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi|21835|emb|CAA33302| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	19880	Seq. ID	OJ990826_04.9B03.C9
Gene No.	41484	Strand	+
Start	186	End	1617
Name	OJ990826_04.9B03.C9.o1.gs	Method	GENSCAN
Start	235	End	1336
GI	none	Score	.76
Exons	235..312, 418..678, 1019..1336		

Seq. No.	19880	Seq. ID	OJ990826_04.9B03.C9
Gene No.	41484	Strand	+
Start	186	End	1617
Name	OJ990826_04.9B03.C9.o1.gp	Method	AAT/GAP
Start	498	End	1105
GI	572042	Score	480
Exons	498..678, 1019..1105		
GI Descrip.	129916/sp|P12783|PGKY_WHEAT 1.0e-38 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir__TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	19880	Seq. ID	OJ990826_04.9B03.C9
Gene No.	41484	Strand	+

Start	186	End	1617
Name	OJ990826_04.9B03.C9.o1.tw	Method	TBLASTX:Wheat
Start	582	End	1345
GI	none	Score	123
Exons	582..680, 582..683, 583..684, 584..703, 942..1268, 1017..1289, 1018..1293, 1019..1345		

Seq. No.	19881	Seq. ID	OJ990826_04.9B03.C10
Gene No.	41485	Strand	+
Start	507	End	710
Name	OJ990826_04.9B03.C10.o1.gs	Method	GENSCAN
Start	507	End	710
GI	none	Score	.97
Exons	507..710		

Seq. No.	19882	Seq. ID	OJ990826_04.9B03.C12
Gene No.	41486	Strand	+
Start	171	End	1526
Name	OJ990826_04.9B03.C12.o1.gs	Method	GENSCAN
Start	171	End	1151
GI	none	Score	.82
Exons	171..403, 600..730, 838..948, 1032..1151		

Seq. No.	19882	Seq. ID	OJ990826_04.9B03.C12
Gene No.	41486	Strand	+
Start	171	End	1526
Name	OJ990826_04.9B03.C12.o1.np	Method	AAT/NAP
Start	221	End	727
GI	5852321	Score	83
Exons	221..399, 623..727		
GI Descrip.	(AF088856) hypothetical protein [Vogesella indigofera]		

Seq. No.	19882	Seq. ID	OJ990826_04.9B03.C12
Gene No.	41486	Strand	+
Start	171	End	1526
Name	OJ990826_04.9B03.C12.o1.gp	Method	AAT/GAP
Start	689	End	1526
GI	3766625	Score	1157
Exons	689..730, 838..948, 1032..1526		

Seq. No.	19882	Seq. ID	OJ990826_04.9B03.C12
Gene No.	41487	Strand	-
Start	1707	End	7488
Name	OJ990826_04.9B03.C12.o1.ts	Method	TBLASTX:Soybean
Start	623	End	1073
GI	none	Score	115
Exons	623..730, 628..729, 829..951, 837..950, 1020..1073		

Seq. No.	19882	Seq. ID	OJ990826_04.9B03.C12
Gene No.	41487	Strand	-
Start	1707	End	7488
Name	OJ990826_04.9B03.C12.o1.tm	Method	TBLASTX:Maize
Start	822	End	1152
GI	none	Score	182
Exons	822..941, 823..945, 824..943, 1019..1096, 1023..1097, 1029..1097, 1034..1102, 1036..1152, 1115..1144		

Seq. No.	19882	Seq. ID	OJ990826_04.9B03.C12
Gene No.	41487	Strand	-
Start	1707	End	7488
Name	OJ990826_04.9B03.C12.o2.gs	Method	GENSCAN
Start	1707	End	7488
GI	none	Score	.79
Exons	1707..1740, 2367..2449, 2544..3222, 3318..3388, 3460..3552, 4680..4701, 4801..4898, 5037..5266, 7286..7488		

Seq. No.	19883	Seq. ID	OJ990826_04.9B03.C14
Gene No.	41488	Strand	+
Start	408	End	2262
Name	OJ990826_04.9B03.C14.o1.gs	Method	GENSCAN
Start	408	End	2262
GI	none	Score	.52
Exons	408..493, 1270..1466, 1513..1616, 2159..2262		

Seq. No.	19883	Seq. ID	OJ990826_04.9B03.C14
Gene No.	41489	Strand	+
Start	4356	End	4920
Name	OJ990826_04.9B03.C14.o2.gp	Method	AAT/GAP
Start	4356	End	4920
GI	uC-osf1M202098g11b1	Score	656
Exons	4356..4386, 4493..4920		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	19883	Seq. ID	OJ990826_04.9B03.C14
Gene No.	41490	Strand	-
Start	4145	End	4318
Name	OJ990826_04.9B03.C14.o1.gp	Method	AAT/GAP
Start	4106	End	4290
GI	1037042	Score	248
Exons	4106..4290		

Seq. No.	19883	Seq. ID	OJ990826_04.9B03.C14
Gene No.	41490	Strand	-
Start	4145	End	4318
Name	OJ990826_04.9B03.C14.o3.gs	Method	GENSCAN
Start	4145	End	4318
GI	none	Score	.98
Exons	4145..4318		

Seq. No.	19884	Seq. ID	OJ990826_04.9B03.C18
Gene No.	41491	Strand	-
Start	614	End	763
Name	OJ990826_04.9B03.C18.o1.gp	Method	AAT/GAP
Start	614	End	735
GI	30856_1.R1084	Score	221
Exons	614..735		
GI Descrip.	'3668097 3.0e-57 (AC004667) putative glycine cleavage system protein H precursor [Arabidopsis thaliana]'		

Seq. No.	19884	Seq. ID	OJ990826_04.9B03.C18
Gene No.	41491	Strand	-
Start	614	End	763
Name	OJ990826_04.9B03.C18.o1.gs	Method	GENSCAN

Start	614	End	763
GI	none	Score	65
Exons	614..763		

Seq. No.	19885	Seq. ID	OJ990826_04.9B03.C19
Gene No.	41492	Strand	+
Start	516	End	1259
Name	OJ990826_04.9B03.C19.o1.gs	Method	GENSCAN
Start	516	End	1259
GI	none	Score	.4
Exons	516..1259		

Seq. No.	19886	Seq. ID	OJ990826_04.9B03.C20
Gene No.	41493	Strand	+
Start	3798	End	5579
Name	OJ990826_04.9B03.C20.o4.np	Method	AAT/NAP
Start	3798	End	5579
GI	2792220	Score	732
Exons	3798..4979, 5037..5579		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	19886	Seq. ID	OJ990826_04.9B03.C20
Gene No.	41494	Strand	+
Start	9156	End	9369
Name	OJ990826_04.9B03.C20.o2.gs	Method	GENSCAN
Start	9156	End	9369
GI	none	Score	.46
Exons	9156..9369		

Seq. No.	19886	Seq. ID	OJ990826_04.9B03.C20
Gene No.	41495	Strand	-
Start	461	End	1769
Name	OJ990826_04.9B03.C20.o1.np	Method	AAT/NAP
Start	461	End	1769
GI	5777617	Score	68
Exons	461..569, 1748..1769		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	19886	Seq. ID	OJ990826_04.9B03.C20
Gene No.	41496	Strand	-
Start	2498	End	3984
Name	OJ990826_04.9B03.C20.o2.np	Method	AAT/NAP
Start	2498	End	3984
GI	5852093	Score	34
Exons	2498..2604, 3710..3984		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19886	Seq. ID	OJ990826_04.9B03.C20
Gene No.	41497	Strand	
Start	4446	End	5624
Name	OJ990826_04.9B03.C20.o1.tm	Method	TBLASTX:Maize
Start	4446	End	4823
GI	none	Score	184
Exons	4446..4757, 4454..4756, 4758..4823		

Seq. No.	19886	Seq. ID	OJ990826_04.9B03.C20
Gene No.	41497	Strand	

Start	4446	End	5624
Name	OJ990826_04.9B03.C20.o1.ts	Method	TBLASTX:Soybean
Start	4464	End	5624
GI	none	Score	219
Exons	4464..4820, 4466..4738, 4539..4823, 5157..5378, 5421..5624		

Seq. No.	19887	Seq. ID	OJ990826_04.9B03.C21
Gene No.	41498	Strand	-
Start	1	End	722
Name	OJ990826_04.9B03.C21.o1.np	Method	AAT/NAP
Start	1	End	722
GI	3193327	Score	224
Exons	1..32, 493..722		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		

Seq. No.	19888	Seq. ID	OJ990826_04.9B03.C22
Gene No.	41499	Strand	-
Start	12	End	574
Name	OJ990826_04.9B03.C22.o1.gs	Method	GENSCAN
Start	12	End	574
GI	none	Score	.71
Exons	12..574		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41500	Strand	+
Start	2503	End	3791
Name	OJ990826_04.9B03.C23.o2.np	Method	AAT/NAP
Start	2483	End	3788
GI	6815099	Score	79
Exons	2483..2511, 3677..3788		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41500	Strand	+
Start	2503	End	3791
Name	OJ990826_04.9B03.C23.o2.gs	Method	GENSCAN
Start	2503	End	3791
GI	none	Score	.49
Exons	2503..2511, 2663..2735, 2900..3000, 3256..3381, 3482..3600, 3677..3791		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41501	Strand	+
Start	4691	End	6206
Name	OJ990826_04.9B03.C23.o3.np	Method	AAT/NAP
Start	4691	End	6206
GI	6630700	Score	626
Exons	4691..4981, 5007..5376, 6168..6206		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41502	Strand	-
Start	1	End	2787
Name	OJ990826_04.9B03.C23.o1.np	Method	AAT/NAP

Start	1	End	2787
GI	5758310	Score	185
Exons	1..85, 178..218, 419..464, 551..718, 773..844, 1316..1415, 1733..1905, 2381..2522, 2709..2787		
GI Descrip.	(AF162681) maroon-like protein [Drosophila melanogaster]		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41502	Strand	-
Start	1	End	2787
Name	OJ990826_04.9B03.C23.o1.gp	Method	AAT/GAP
Start	9	End	653
GI	3766624	Score	468
Exons	9..84, 180..218, 419..464, 551..653		
GI Descrip.	3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41502	Strand	-
Start	1	End	2787
Name	OJ990826_04.9B03.C23.o1.gs	Method	GENSCAN
Start	742	End	2297
GI	none	Score	.78
Exons	742..857, 1257..1443, 2259..2297		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41503	Strand	-
Start	5846	End	6206
Name	OJ990826_04.9B03.C23.o1.tc	Method	TBLASTX:Cress
Start	417	End	649
GI	none	Score	58
Exons	417..470, 418..462, 547..645, 548..649, 549..647		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41503	Strand	-
Start	5846	End	6206
Name	OJ990826_04.9B03.C23.o1.ts	Method	TBLASTX:Soybean
Start	1750	End	3075
GI	none	Score	180
Exons	1750..1905, 1750..1893, 1752..1901, 2408..2512, 2425..2520, 2944..3075		

Seq. No.	19889	Seq. ID	OJ990826_04.9B03.C23
Gene No.	41503	Strand	-
Start	5846	End	6206
Name	OJ990826_04.9B03.C23.o4.np	Method	AAT/NAP
Start	5846	End	6206
GI	6513925	Score	72
Exons	5846..5889, 6019..6073, 6180..6206		
GI Descrip.	(AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41504	Strand	+
Start	5524	End	10676
Name	OJ990826_04.9B03.C24.o3.np	Method	AAT/NAP
Start	5518	End	8436
GI	6682239	Score	392
Exons	5518..5602, 5707..5801, 7645..7702, 8299..8436		

GI Descrip. (AC016661) putative MYB-related protein [Arabidopsis thaliana]

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41504	Strand	+
Start	5524	End	10676
Name	OJ990826_04.9B03.C24.o2.gs	Method	GENSCAN
Start	5524	End	10676
GI	none	Score	.57
Exons	5524..5801, 7645..7702, 8481..8874, 9315..9424, 9937..9996, 10575..10676		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41504	Strand	+
Start	5524	End	10676
Name	OJ990826_04.9B03.C24.o2.gp	Method	AAT/GAP
Start	7637	End	9364
GI	uC-osflcyp110b03b1	Score	882
Exons	7637..7702, 8299..8422, 8518..8676, 8764..8874, 9315..9364		
GI Descrip.	'2191140 3.0e-19 (AF007269) contains weak similarity to MYB-related proteins [Arabidopsis thaliana]'		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41504	Strand	+
Start	5524	End	10676
Name	OJ990826_04.9B03.C24.o4.np	Method	AAT/NAP
Start	9317	End	9996
GI	6907099	Score	188
Exons	9317..9424, 9937..9996		
GI Descrip.	(AP001129) Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 6, membrane protein homolog. (Z97341) [Oryza sativa]		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41505	Strand	+
Start	10607	End	11205
Name	OJ990826_04.9B03.C24.o3.gp	Method	AAT/GAP
Start	10607	End	11205
GI	uC-osflcyp110b03a1	Score	990
Exons	10607..10672, 10756..11205		
GI Descrip.	'3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]'		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41506	Strand	+
Start	12557	End	17892
Name	OJ990826_04.9B03.C24.o3.gs	Method	GENSCAN
Start	12557	End	17892
GI	none	Score	.69
Exons	12557..12844, 13792..13881, 13987..14106, 14195..14296, 14363..14543, 14813..14935, 15106..15304, 15416..16086, 16359..16681, 16986..17285, 17692..17892		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41507	Strand	+
Start	18017	End	18167
Name	OJ990826_04.9B03.C24.o4.gp	Method	AAT/GAP
Start	18017	End	18167

GI	none	Score	281
Exons	18017..18167		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41508	Strand	-
Start	1	End	2905
Name	OJ990826_04.9B03.C24.o1.np	Method	AAT/NAP
Start	1	End	1607
GI	6513925	Score	299
Exons	1..20, 308..371, 449..522, 595..669, 973..1027, 1121..1194, 1464..1607		
GI Descrip.	(AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41508	Strand	-
Start	1	End	2905
Name	OJ990826_04.9B03.C24.o1.gs	Method	GENSCAN
Start	323	End	2905
GI	none	Score	.62
Exons	323..371, 619..669, 973..1027, 1121..1194, 1557..1679, 2855..2905		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41508	Strand	-
Start	1	End	2905
Name	OJ990826_04.9B03.C24.o1.gp	Method	AAT/GAP
Start	643	End	2874
GI	uC-osf1cyp055a02b1	Score	836
Exons	643..669, 973..1027, 1121..1194, 1464..1679, 2779..2874		
GI Descrip.	'3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]'		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41509	Strand	-
Start	3963	End	5388
Name	OJ990826_04.9B03.C24.o2.np	Method	AAT/NAP
Start	3963	End	5388
GI	5852084	Score	78
Exons	3963..4075, 5365..5388		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o4.tm	Method	TBLASTX:Maize
Start	279	End	1654
GI	none	Score	82
Exons	279..374, 299..373, 446..523, 446..526, 448..531, 592..672, 593..670, 973..1038, 977..1033, 1120..1194, 1121..1195, 1466..1513, 1559..1654		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o2.tw	Method	TBLASTX:Wheat
Start	299	End	672
GI	none	Score	74

Exons	299..373, 327..374, 446..523, 448..525, 451..525, 592..672, 593..670		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o3.tc	Method	TBLASTX:Cress
Start	299	End	1038
GI	none	Score	59
Exons	299..367, 324..371, 446..523, 454..531, 592..672, 593..670, 973..1038		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o6.tm	Method	TBLASTX:Maize
Start	10643	End	11089
GI	none	Score	44
Exons	10643..10669, 10644..10673, 10757..10819, 10758..10829, 10817..10903, 10822..10875, 10894..10965, 10901..10945, 10954..11001, 10954..11007, 11045..11089, 11055..11087		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o5.ts	Method	TBLASTX:Soybean
Start	13794	End	14227
GI	none	Score	119
Exons	13794..14000, 13795..13914, 13924..14109, 13976..14119, 13986..14108, 14192..14227, 14194..14223		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o2.tm	Method	TBLASTX:Maize
Start	13807	End	14602
GI	none	Score	107
Exons	13807..13881, 13809..13883, 13960..14109, 13976..14119, 13986..14108, 14192..14299, 14192..14299, 14228..14380, 14377..14571, 14381..14602		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o1.tw	Method	TBLASTX:Wheat
Start	14892	End	15552
GI	none	Score	76
Exons	14892..14936, 14892..14936, 14893..14937, 15103..15288, 15104..15307, 15105..15305, 15413..15550, 15414..15551, 15415..15552		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o1.tm	Method	TBLASTX:Maize
Start	15111	End	15803
GI	none	Score	303

Exons	15111..15305, 15113..15307, 15114..15308, 15115..15306, 15413..15676, 15414..15677, 15414..15692, 15415..15681, 15416..15694, 15724..15801, 15725..15802, 15726..15803		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o2.ts	Method	TBLASTX:Soybean
Start	15165	End	15523
GI	none	Score	173
Exons	15165..15305, 15170..15307, 15413..15523, 15414..15521		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o1.tc	Method	TBLASTX:Cress
Start	15428	End	15950
GI	none	Score	102
Exons	15428..15949, 15430..15762, 15432..15950		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o4.ts	Method	TBLASTX:Soybean
Start	15572	End	15869
GI	5058398	Score	217
Exons	15572..15712, 15573..15803, 15752..15868, 15762..15869, 15785..15850		
GI Descrip.	-		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o3.tm	Method	TBLASTX:Maize
Start	15830	End	16092
GI	none	Score	351
Exons	15830..16081, 15831..16085, 15934..16092		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o1.ts	Method	TBLASTX:Soybean
Start	15869	End	16591
GI	none	Score	187
Exons	15869..16069, 15870..16085, 16376..16591, 16378..16578		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o2.tc	Method	TBLASTX:Cress
Start	17073	End	17309
GI	none	Score	313
Exons	17073..17309, 17073..17168, 17081..17305		
Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362

Name	OJ990826_04.9B03.C24.o3.ts	Method	TBLASTX:Soybean
Start	17117	End	17309
GI	none	Score	257
Exons	17117..17302, 17118..17309		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o5.tm	Method	TBLASTX:Maize
Start	17168	End	17309
GI	none	Score	227
Exons	17168..17305, 17169..17309		

Seq. No.	19890	Seq. ID	OJ990826_04.9B03.C24
Gene No.	41510	Strand	-
Start	18191	End	18362
Name	OJ990826_04.9B03.C24.o4.gs	Method	GENSCAN
Start	18191	End	18362
GI	none	Score	.92
Exons	18191..18362		

Seq. No.	19891	Seq. ID	OJ990826_04.9B03.C25
Gene No.	41511	Strand	+
Start	1	End	1040
Name	OJ990826_04.9B03.C25.o1.np	Method	AAT/NAP
Start	1	End	1040
GI	4325041	Score	1503
Exons	1..1040		
GI Descrip.	(AF117339) FtsH-like protein Pftf precursor [Nicotiana tabacum]		

Seq. No.	19891	Seq. ID	OJ990826_04.9B03.C25
Gene No.	41511	Strand	+
Start	1	End	1040
Name	OJ990826_04.9B03.C25.o1.gs	Method	GENSCAN
Start	179	End	988
GI	none	Score	.8
Exons	179..988		

Seq. No.	19891	Seq. ID	OJ990826_04.9B03.C25
Gene No.	41512	Strand	-
Start	299	End	1040
Name	OJ990826_04.9B03.C25.o1.tm	Method	TBLASTX:Maize
Start	4	End	1040
GI	none	Score	690
Exons	4..486, 5..487, 282..617, 538..651, 608..991, 613..897, 614..961, 974..1036, 977..1036, 978..1040, 978..1040		

Seq. No.	19891	Seq. ID	OJ990826_04.9B03.C25
Gene No.	41512	Strand	-
Start	299	End	1040
Name	OJ990826_04.9B03.C25.o2.tc	Method	TBLASTX:Cress
Start	56	End	456
GI	none	Score	66
Exons	56..118, 64..114, 125..430, 138..248, 142..456		

Seq. No.	19891	Seq. ID	OJ990826_04.9B03.C25
Gene No.	41512	Strand	-

Start	299	End	1040
Name	OJ990826_04.9B03.C25.o1.ts	Method	TBLASTX:Soybean
Start	89	End	1040
GI	none	Score	471
Exons	89..484, 100..477, 143..481, 504..569, 513..536, 529..915, 536..991, 538..897, 974..1036, 974..1039, 978..1040		

Seq. No.	19891	Seq. ID	OJ990826_04.9B03.C25
Gene No.	41512	Strand	-
Start	299	End	1040
Name	OJ990826_04.9B03.C25.o1.gp	Method	AAT/GAP
Start	299	End	1040
GI	1422_4.R1084	Score	1408
Exons	299..1040		
GI Descrip.	'3808101/emb|CAA09935.1| 0.0e+00 (AJ012165) chloroplast protease [Capsicum annuum]'		

Seq. No.	19891	Seq. ID	OJ990826_04.9B03.C25
Gene No.	41512	Strand	-
Start	299	End	1040
Name	OJ990826_04.9B03.C25.o1.tc	Method	TBLASTX:Cress
Start	589	End	1040
GI	none	Score	561
Exons	589..897, 590..991, 744..941, 974..1039, 978..1040		

Seq. No.	19891	Seq. ID	OJ990826_04.9B03.C25
Gene No.	41512	Strand	-
Start	299	End	1040
Name	OJ990826_04.9B03.C25.o1.tw	Method	TBLASTX:Wheat
Start	682	End	898
GI	none	Score	235
Exons	682..894, 683..898, 782..898		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41513	Strand	+
Start	1	End	3792
Name	OJ990826_04.9B03.C26.o1.np	Method	AAT/NAP
Start	1	End	1620
GI	3808101	Score	1352
Exons	1..54, 383..696, 797..1037, 1282..1620		
GI Descrip.	(AJ012165) chloroplast protease [Capsicum annuum]		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41513	Strand	+
Start	1	End	3792
Name	OJ990826_04.9B03.C26.o1.gs	Method	GENSCAN
Start	383	End	3792
GI	none	Score	.84
Exons	383..696, 797..1037, 1282..1587, 2560..2672, 3519..3792		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41513	Strand	+
Start	1	End	3792
Name	OJ990826_04.9B03.C26.o1.gp	Method	AAT/GAP
Start	818	End	1793
GI	1422_1.R1084	Score	1307
Exons	818..1037, 1282..1793		

GI Descrip.	'3808101/emb|CAA09935.1| 6.0e-85 (AJ012165) chloroplast protease [Capsicum annuum]'		
Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41514	Strand	+
Start	7214	End	10521
Name	OJ990826_04.9B03.C26.o4.np	Method	AAT/NAP
Start	7196	End	10521
GI	3193327	Score	270
Exons	7196..7856, 9510..9733, 10449..10521		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		
Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41514	Strand	+
Start	7214	End	10521
Name	OJ990826_04.9B03.C26.o3.gs	Method	GENSCAN
Start	7214	End	10457
GI	none	Score	.55
Exons	7214..8001, 9388..9733, 9829..9966, 10053..10457		
Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o1.tc	Method	TBLASTX:Cress
Start	1	End	938
GI	none	Score	98
Exons	1..60, 3..59, 370..705, 372..695, 380..697, 562..708, 789..938, 793..936, 797..937		
Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1590
GI	none	Score	95
Exons	1..60, 3..59, 369..695, 370..705, 380..697, 541..708, 784..927, 786..1019, 789..1040, 791..1036, 1278..1589, 1279..1590		
Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o1.tm	Method	TBLASTX:Maize
Start	1	End	1600
GI	none	Score	98
Exons	1..60, 3..56, 371..691, 372..692, 379..705, 380..697, 788..1036, 789..1040, 790..942, 791..1036, 795..1040, 988..1041, 1278..1589, 1279..1590, 1279..1599, 1472..1600		
Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o1.tw	Method	TBLASTX:Wheat
Start	1	End	652
GI	none	Score	98
Exons	1..60, 3..59, 372..650, 372..497, 379..651, 380..652		
Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26

Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o2.tc	Method	TBLASTX:Cress
Start	939	End	1590
GI	none	Score	145
Exons	939..1040, 941..1036, 1278..1367, 1279..1368, 1339..1590, 1350..1589		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o2.np	Method	AAT/NAP
Start	1086	End	4117
GI	6006367	Score	43
Exons	1086..1108, 2608..2687, 4094..4117		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o3.np	Method	AAT/NAP
Start	1651	End	6420
GI	6016874	Score	2160
Exons	1651..1671, 3515..3767, 4243..4583, 4701..4880, 5274..5433, 5824..6056, 6121..6258, 6342..6420		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o2.gs	Method	GENSCAN
Start	4240	End	6420
GI	none	Score	.67
Exons	4240..4700, 5274..5433, 5968..6056, 6121..6258, 6342..6420		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o3.tm	Method	TBLASTX:Maize
Start	4306	End	4549
GI	none	Score	97
Exons	4306..4539, 4391..4549		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o5.tm	Method	TBLASTX:Maize
Start	4661	End	5013
GI	none	Score	136
Exons	4661..5002, 4732..5013		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o4.tm	Method	TBLASTX:Maize

Start	5218	End	5532
GI	none	Score	104
Exons	5218..5445, 5219..5437, 5314..5442, 5458..5532		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o2.gp	Method	AAT/GAP
Start	5223	End	5731
GI	uC-osflcyp110c07b1	Score	958
Exons	5223..5731		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	19892	Seq. ID	OJ990826_04.9B03.C26
Gene No.	41515	Strand	-
Start	1086	End	6420
Name	OJ990826_04.9B03.C26.o2.tm	Method	TBLASTX:Maize
Start	5626	End	6072
GI	none	Score	109
Exons	5626..5664, 5659..5721, 5722..6000, 5792..5977, 5986..6072		

Seq. No.	19893	Seq. ID	OJ990816_06.9B02.C1
Gene No.	41516	Strand	+
Start	40	End	1388
Name	OJ990816_06.9B02.C1.o1.gs	Method	GENSCAN
Start	40	End	1372
GI	none	Score	.97
Exons	40..806, 908..1372		

Seq. No.	19893	Seq. ID	OJ990816_06.9B02.C1
Gene No.	41516	Strand	+
Start	40	End	1388
Name	OJ990816_06.9B02.C1.o1.tc	Method	TBLASTX:Cress
Start	142	End	1388
GI	none	Score	70
Exons	142..237, 430..615, 616..774, 903..1058, 906..1067, 920..1063, 1085..1216, 1089..1217, 1233..1388		

Seq. No.	19893	Seq. ID	OJ990816_06.9B02.C1
Gene No.	41516	Strand	+
Start	40	End	1388
Name	OJ990816_06.9B02.C1.o1.np	Method	AAT/NAP
Start	445	End	1388
GI	6729489	Score	574
Exons	445..806, 908..1388		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	19893	Seq. ID	OJ990816_06.9B02.C1
Gene No.	41516	Strand	+
Start	40	End	1388
Name	OJ990816_06.9B02.C1.o1.ts	Method	TBLASTX:Soybean
Start	451	End	1217
GI	none	Score	84
Exons	451..567, 622..783, 906..1055, 1089..1217		

Seq. No.	19893	Seq. ID	OJ990816_06.9B02.C1
Gene No.	41516	Strand	+
Start	40	End	1388
Name	OJ990816_06.9B02.C1.o1.tm	Method	TBLASTX:Maize
Start	466	End	1217
GI	none	Score	92
Exons	466..573, 607..783, 906..1055, 1085..1213, 1089..1217		

Seq. No.	19893	Seq. ID	OJ990816_06.9B02.C1
Gene No.	41516	Strand	+
Start	40	End	1388
Name	OJ990816_06.9B02.C1.o1.tw	Method	TBLASTX:Wheat
Start	906	End	1220
GI	none	Score	128
Exons	906..1055, 1088..1216, 1089..1220		

Seq. No.	19894	Seq. ID	OJ990816_06.9B02.C2
Gene No.	41517	Strand	-
Start	991	End	1209
Name	OJ990816_06.9B02.C2.o1.gs	Method	GENSCAN
Start	991	End	1209
GI	none	Score	.76
Exons	991..1209		

Seq. No.	19895	Seq. ID	OJ990816_06.9B02.C3
Gene No.	41518	Strand	+
Start	80	End	291
Name	OJ990816_06.9B02.C3.o1.gs	Method	GENSCAN
Start	80	End	291
GI	none	Score	.4
Exons	80..291		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41519	Strand	+
Start	5542	End	8904
Name	OJ990816_06.9B02.C4.o2.gs	Method	GENSCAN
Start	5542	End	6177
GI	none	Score	.9
Exons	5542..6177		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41519	Strand	+
Start	5542	End	8904
Name	OJ990816_06.9B02.C4.o2.np	Method	AAT/NAP
Start	5635	End	8904
GI	4325357	Score	390
Exons	5635..6267, 6471..6630, 7251..7639, 8873..8904		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41519	Strand	+
Start	5542	End	8904
Name	OJ990816_06.9B02.C4.o3.gs	Method	GENSCAN
Start	6340	End	7995

GI	none	Score	.54
Exons	6340..6574, 6611..6910, 6950..7043, 7160..7304, 7339..7715, 7821..7995		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41520	Strand	+
Start	10167	End	11359
Name	OJ990816_06.9B02.C4.o5.gs	Method	GENSCAN
Start	10167	End	11359
GI	none	Score	.42
Exons	10167..10230, 10952..11120, 11137..11359		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41521	Strand	-
Start	272	End	2029
Name	OJ990816_06.9B02.C4.o1.gs	Method	GENSCAN
Start	272	End	2029
GI	none	Score	.95
Exons	272..357, 603..2029		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41522	Strand	-
Start	6822	End	9756
Name	OJ990816_06.9B02.C4.o3.np	Method	AAT/NAP
Start	6822	End	9756
GI	5042463	Score	119
Exons	6822..6844, 8580..8689, 8738..8893, 9599..9756		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41522	Strand	-
Start	6822	End	9756
Name	OJ990816_06.9B02.C4.o4.gs	Method	GENSCAN
Start	8222	End	8542
GI	none	Score	.75
Exons	8222..8542		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o1.ts	Method	TBLASTX:Soybean
Start	267	End	865
GI	none	Score	42
Exons	267..323, 267..323, 345..509, 349..510, 599..793, 809..865		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o1.tc	Method	TBLASTX:Cress
Start	273	End	892
GI	none	Score	69
Exons	273..506, 617..811, 815..892		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o2.tw	Method	TBLASTX:Wheat

Start	279	End	766
GI	none	Score	84
Exons	279..506, 617..766		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o1.tm	Method	TBLASTX:Maize
Start	357	End	943
GI	none	Score	70
Exons	357..506, 626..802, 821..943, 822..911		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o2.ts	Method	TBLASTX:Soybean
Start	1253	End	2056
GI	none	Score	53
Exons	1253..1333, 1454..1501, 1473..1562, 1514..1570, 1661..1816, 1662..1799, 1848..1889, 1901..2056		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o2.tm	Method	TBLASTX:Maize
Start	1561	End	1874
GI	none	Score	127
Exons	1561..1692, 1562..1792, 1562..1810, 1608..1874		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o1.tw	Method	TBLASTX:Wheat
Start	5848	End	6195
GI	none	Score	105
Exons	5848..5964, 5983..6195		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o3.ts	Method	TBLASTX:Soybean
Start	5848	End	6258
GI	none	Score	70
Exons	5848..5952, 5983..6258		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o2.tc	Method	TBLASTX:Cress
Start	5995	End	6303
GI	none	Score	183
Exons	5995..6303		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o3.tw	Method	TBLASTX:Wheat

Start	7084	End	7464
GI	none	Score	108
Exons	7084..7227, 7308..7463, 7309..7464		

Seq. No.	19896	Seq. ID	OJ990816_06.9B02.C4
Gene No.	41523	Strand	-
Start	13175	End	15950
Name	OJ990816_06.9B02.C4.o6.gs	Method	GENSCAN
Start	13175	End	15950
GI	none	Score	.48
Exons	13175..13182, 14390..14582, 14657..14760, 15349..15376, 15757..15950		

Seq. No.	19897	Seq. ID	OJ990816_06.9B02.C5
Gene No.	41524	Strand	-
Start	1713	End	1783
Name	OJ990816_06.9B02.C5.o2.gs	Method	GENSCAN
Start	1713	End	1783
GI	none	Score	.83
Exons	1713..1783		

Seq. No.	19898	Seq. ID	OJ990816_06.9B02.C6
Gene No.	41525	Strand	-
Start	42	End	1064
Name	OJ990816_06.9B02.C6.o1.gs	Method	GENSCAN
Start	42	End	1064
GI	none	Score	.96
Exons	42..1064		

Seq. No.	19898	Seq. ID	OJ990816_06.9B02.C6
Gene No.	41525	Strand	-
Start	42	End	1064
Name	OJ990816_06.9B02.C6.o1.np	Method	AAT/NAP
Start	252	End	989
GI	6573436	Score	305
Exons	252..989		
GI Descrip.	Chain A, Lectin Ii From Ulex Europaeus gi|6573437|pdb|1QNW|B Chain B, Lectin Ii From Ulex Europaeus gi|6573438|pdb|1QNW|C Chain C, Lectin Ii From Ulex Europaeus gi|6573439|pdb|1QNW|D Chain D, Lectin Ii From Ulex Europaeus gi|6573440|pdb|1QOO|A Chain A, Lectin Uea-Ii Complexed With Nag gi|6573441|pdb|1QOO|B Chain B, Lectin Uea-Ii Complexed With Nag gi|6573442|pdb|1QOO|C Chain		

Seq. No.	19898	Seq. ID	OJ990816_06.9B02.C6
Gene No.	41525	Strand	-
Start	42	End	1064
Name	OJ990816_06.9B02.C6.o1.ts	Method	TBLASTX:Soybean
Start	306	End	857
GI	none	Score	102
Exons	306..386, 501..548, 561..635, 642..746, 741..857		

Seq. No.	19898	Seq. ID	OJ990816_06.9B02.C6
Gene No.	41525	Strand	-
Start	42	End	1064
Name	OJ990816_06.9B02.C6.o1.tm	Method	TBLASTX:Maize
Start	399	End	618

GI	none	Score	115
Exons	399..572, 439..573, 585..617, 589..618		

Seq. No.	19899	Seq. ID	OJ990816_06.9B02.C7
Gene No.	41526	Strand	+
Start	251	End	453
Name	OJ990816_06.9B02.C7.o1.gs	Method	GENSCAN
Start	251	End	453
GI	none	Score	.45
Exons	251..453		

Seq. No.	19900	Seq. ID	OJ990816_06.9B02.C10
Gene No.	41527	Strand	-
Start	265	End	366
Name	OJ990816_06.9B02.C10.o1.gs	Method	GENSCAN
Start	265	End	366
GI	none	Score	.5
Exons	265..366		

Seq. No.	19901	Seq. ID	OJ990816_06.9B02.C11
Gene No.	41528	Strand	-
Start	1284	End	2511
Name	OJ990816_06.9B02.C11.o1.np	Method	AAT/NAP
Start	1225	End	2511
GI	6729489	Score	603
Exons	1225..1938, 2033..2406, 2450..2511		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	19901	Seq. ID	OJ990816_06.9B02.C11
Gene No.	41528	Strand	-
Start	1284	End	2511
Name	OJ990816_06.9B02.C11.o1.gs	Method	GENSCAN
Start	1284	End	2388
GI	none	Score	.85
Exons	1284..1938, 2033..2388		

Seq. No.	19901	Seq. ID	OJ990816_06.9B02.C11
Gene No.	41528	Strand	-
Start	1284	End	2511
Name	OJ990816_06.9B02.C11.o1.tm	Method	TBLASTX:Maize
Start	1359	End	2121
GI	none	Score	74
Exons	1359..1592, 1407..1592, 1629..1757, 1630..1746, 1779..1961, 1780..1866, 2029..2121		

Seq. No.	19901	Seq. ID	OJ990816_06.9B02.C11
Gene No.	41528	Strand	-
Start	1284	End	2511
Name	OJ990816_06.9B02.C11.o1.tc	Method	TBLASTX:Cress
Start	1389	End	2409
GI	none	Score	90
Exons	1389..1598, 1620..1757, 1630..1746, 1761..1940, 1779..1943, 2065..2229, 2224..2409		

Seq. No.	19901	Seq. ID	OJ990816_06.9B02.C11
Gene No.	41528	Strand	-

Start	1284	End	2511
Name	OJ990816_06.9B02.C11.o1.tw	Method	TBLASTX:Wheat
Start	1626	End	1940
GI	none	Score	87
Exons	1626..1745, 1630..1746, 1788..1940, 1798..1866		

Seq. No.	19901	Seq. ID	OJ990816_06.9B02.C11
Gene No.	41528	Strand	-
Start	1284	End	2511
Name	OJ990816_06.9B02.C11.o1.ts	Method	TBLASTX:Soybean
Start	1668	End	2295
GI	none	Score	75
Exons	1668..1757, 1779..1943, 1779..1943, 2024..2143, 2032..2229, 2239..2295		

Seq. No.	19901	Seq. ID	OJ990816_06.9B02.C11
Gene No.	41528	Strand	-
Start	1284	End	2511
Name	OJ990816_06.9B02.C11.o2.tm	Method	TBLASTX:Maize
Start	2128	End	2373
GI	none	Score	112
Exons	2128..2226, 2129..2218, 2261..2353, 2272..2373		

Seq. No.	19902	Seq. ID	OJ990816_06.9B02.C12
Gene No.	41529	Strand	-
Start	1	End	485
Name	OJ990816_06.9B02.C12.o1.np	Method	AAT/NAP
Start	1	End	410
GI	126101	Score	172
Exons	1..410		
GI Descrip.	ANTI-H(O) LECTIN II (UEA-II) gi|81985|pir||JX0163 lectin II - furze		

Seq. No.	19902	Seq. ID	OJ990816_06.9B02.C12
Gene No.	41529	Strand	-
Start	1	End	485
Name	OJ990816_06.9B02.C12.o1.gs	Method	GENSCAN
Start	28	End	485
GI	none	Score	.48
Exons	28..485		

Seq. No.	19903	Seq. ID	OJ990816_06.9B02.C13
Gene No.	41530	Strand	-
Start	1	End	1157
Name	OJ990816_06.9B02.C13.o1.np	Method	AAT/NAP
Start	1	End	1157
GI	6466937	Score	895
Exons	1..1157		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19903	Seq. ID	OJ990816_06.9B02.C13
Gene No.	41530	Strand	-
Start	1	End	1157
Name	OJ990816_06.9B02.C13.o2.tm	Method	TBLASTX:Maize
Start	1	End	616
GI	none	Score	56

Exons	1..81, 2..220, 41..175, 215..616, 252..515		
Seq. No.	19903	Seq. ID	OJ990816_06.9B02.C13
Gene No.	41530	Strand	-
Start	1	End	1157
Name	OJ990816_06.9B02.C13.o1.gs	Method	GENSCAN
Start	125	End	712
GI	none	Score	.69
Exons	125..712		
Seq. No.	19903	Seq. ID	OJ990816_06.9B02.C13
Gene No.	41530	Strand	-
Start	1	End	1157
Name	OJ990816_06.9B02.C13.o1.tw	Method	TBLASTX:Wheat
Start	146	End	550
GI	none	Score	162
Exons	146..550, 267..494		
Seq. No.	19903	Seq. ID	OJ990816_06.9B02.C13
Gene No.	41530	Strand	-
Start	1	End	1157
Name	OJ990816_06.9B02.C13.o2.tw	Method	TBLASTX:Wheat
Start	611	End	1003
GI	none	Score	111
Exons	611..1003, 612..908		
Seq. No.	19903	Seq. ID	OJ990816_06.9B02.C13
Gene No.	41530	Strand	-
Start	1	End	1157
Name	OJ990816_06.9B02.C13.o1.tm	Method	TBLASTX:Maize
Start	621	End	1155
GI	none	Score	318
Exons	621..1100, 623..1099, 777..1100, 982..1119, 1099..1155		
Seq. No.	19903	Seq. ID	OJ990816_06.9B02.C13
Gene No.	41530	Strand	-
Start	1	End	1157
Name	OJ990816_06.9B02.C13.o1.ts	Method	TBLASTX:Soybean
Start	851	End	1155
GI	none	Score	91
Exons	851..1099, 942..1100, 1099..1155		
Seq. No.	19904	Seq. ID	OJ990816_06.9B02.C14
Gene No.	41531	Strand	-
Start	1124	End	1779
Name	OJ990816_06.9B02.C14.o1.np	Method	AAT/NAP
Start	82	End	1779
GI	6729489	Score	407
Exons	82..120, 1225..1779		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		
Seq. No.	19904	Seq. ID	OJ990816_06.9B02.C14
Gene No.	41531	Strand	-
Start	1124	End	1779
Name	OJ990816_06.9B02.C14.o1.gs	Method	GENSCAN
Start	1124	End	1696

GI	none	Score	.64
Exons	1124..1696		

Seq. No.	19904	Seq. ID	OJ990816_06.9B02.C14
Gene No.	41531	Strand	-
Start	1124	End	1779
Name	OJ990816_06.9B02.C14.o1.tm	Method	TBLASTX:Maize
Start	1214	End	1777
GI	none	Score	70
Exons	1214..1447, 1227..1445, 1262..1447, 1484..1612, 1485..1601, 1634..1777, 1635..1715		

Seq. No.	19904	Seq. ID	OJ990816_06.9B02.C14
Gene No.	41531	Strand	-
Start	1124	End	1779
Name	OJ990816_06.9B02.C14.o1.tc	Method	TBLASTX:Cress
Start	1244	End	1777
GI	none	Score	92
Exons	1244..1453, 1475..1612, 1485..1616, 1616..1777, 1638..1712		

Seq. No.	19904	Seq. ID	OJ990816_06.9B02.C14
Gene No.	41531	Strand	-
Start	1124	End	1779
Name	OJ990816_06.9B02.C14.o1.ts	Method	TBLASTX:Soybean
Start	1370	End	1777
GI	none	Score	49
Exons	1370..1447, 1376..1447, 1490..1600, 1491..1601, 1637..1777, 1638..1700		

Seq. No.	19904	Seq. ID	OJ990816_06.9B02.C14
Gene No.	41531	Strand	-
Start	1124	End	1779
Name	OJ990816_06.9B02.C14.o1.tw	Method	TBLASTX:Wheat
Start	1481	End	1777
GI	none	Score	87
Exons	1481..1600, 1485..1601, 1643..1777		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41532	Strand	+
Start	5800	End	7131
Name	OJ990816_06.9B02.C15.o2.gs	Method	GENSCAN
Start	5800	End	7131
GI	none	Score	.54
Exons	5800..6133, 6192..6329, 6378..6631, 6934..7131		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41533	Strand	+
Start	16821	End	21222
Name	OJ990816_06.9B02.C15.o1.gp	Method	AAT/GAP
Start	16616	End	17059
GI	2428769	Score	830
Exons	16616..17059		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41533	Strand	+
Start	16821	End	21222
Name	OJ990816_06.9B02.C15.o5.gs	Method	GENSCAN

Start	16821	End	21222
GI	none	Score	.57
Exons	16821..19057, 19297..19425, 19472..21072, 21089..21222		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41533	Strand	+
Start	16821	End	21222
Name	OJ990816_06.9B02.C15.o2.np	Method	AAT/NAP
Start	16860	End	21110
GI	5734736	Score	2837
Exons	16860..17439, 17482..17776, 17831..19178, 19317..21110		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41534	Strand	+
Start	21367	End	21858
Name	OJ990816_06.9B02.C15.o2.gp	Method	AAT/GAP
Start	21367	End	21858
GI	2428769	Score	309
Exons	21367..21532, 21823..21858		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41535	Strand	-
Start	2329	End	4517
Name	OJ990816_06.9B02.C15.o1.np	Method	AAT/NAP
Start	2290	End	4481
GI	6729489	Score	712
Exons	2290..2998, 3096..4481		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41535	Strand	-
Start	2329	End	4517
Name	OJ990816_06.9B02.C15.o1.gs	Method	GENSCAN
Start	2329	End	4517
GI	none	Score	.62
Exons	2329..2998, 3096..4103, 4153..4517		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41536	Strand	-
Start	7381	End	8423
Name	OJ990816_06.9B02.C15.o3.gs	Method	GENSCAN
Start	7381	End	8423
GI	none	Score	.65
Exons	7381..7520, 7584..7714, 7719..8143, 8169..8423		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41537	Strand	-
Start	8743	End	16331
Name	OJ990816_06.9B02.C15.o4.gs	Method	GENSCAN
Start	8743	End	16331
GI	none	Score	.72
Exons	8743..9120, 9632..9653, 10840..10891, 12026..12171, 12925..12941, 14561..14735, 14789..15253, 15370..16331		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15

Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o1.tm	Method	TBLASTX:Maize
Start	2419	End	15464
GI	none	Score	82
Exons	2419..2652, 2467..2652, 2678..2806, 2689..2817, 2839..2961, 2839..3000, 3086..3184, 14686..14907, 14722..14898, 14933..15061, 14941..15072, 15089..15256, 15094..15270, 15367..15459, 15369..15464		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o2.tc	Method	TBLASTX:Cress
Start	2449	End	16019
GI	none	Score	96
Exons	2449..2673, 2689..2817, 2690..2821, 2821..3000, 2839..3003, 3128..3286, 3287..3472, 3743..3853, 3977..4078, 14704..14913, 14944..15072, 14945..15076, 15076..15270, 15098..15256, 15253..15282, 15402..15560, 15561..15746, 15918..16019		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o3.ts	Method	TBLASTX:Soybean
Start	2689	End	15725
GI	none	Score	83
Exons	2689..2817, 2693..2827, 2848..3003, 2914..2967, 3119..3280, 3335..3430, 14941..15072, 14948..15082, 15103..15270, 15393..15554, 15609..15725		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o4.tw	Method	TBLASTX:Wheat
Start	2773	End	15533
GI	none	Score	86
Exons	2773..3000, 3110..3259, 15028..15270, 15384..15533		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o9.tm	Method	TBLASTX:Maize
Start	3191	End	15710
GI	none	Score	62
Exons	3191..3241, 3191..3289, 3192..3281, 3324..3419, 3335..3436, 15465..15563, 15466..15555, 15595..15690, 15609..15710		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o6.ts	Method	TBLASTX:Soybean
Start	3734	End	21876
GI	none	Score	45
Exons	3734..3772, 3782..3925, 3956..4078, 4029..4070, 4170..4376, 4171..4308, 15963..16109, 16146..16208, 16206..16283, 21502..21711, 21745..21876		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o8.tm	Method	TBLASTX:Maize
Start	3884	End	16263
GI	none	Score	151
Exons	3884..4078, 3891..4073, 16065..16214, 16072..16221, 16218..16262, 16234..16263		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o10.tm	Method	TBLASTX:Maize
Start	16816	End	17101
GI	none	Score	55
Exons	16816..16857, 16884..17099, 16889..17101		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o5.tw	Method	TBLASTX:Wheat
Start	16995	End	17390
GI	none	Score	229
Exons	16995..17390, 17268..17366		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o5.tm	Method	TBLASTX:Maize
Start	17115	End	17513
GI	none	Score	194
Exons	17115..17318, 17120..17314, 17127..17324, 17330..17419, 17331..17441, 17421..17513		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o6.tm	Method	TBLASTX:Maize
Start	17915	End	18326
GI	none	Score	204
Exons	17915..18091, 17916..18134, 18195..18326		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o3.tw	Method	TBLASTX:Wheat
Start	17936	End	18392
GI	none	Score	176
Exons	17936..18139, 17937..18182, 18198..18305, 18306..18392		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o5.ts	Method	TBLASTX:Soybean
Start	18330	End	18659
GI	none	Score	245

Exons	18330..18659, 18371..18523, 18426..18506		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o1.tw	Method	TBLASTX:Wheat
Start	18465	End	19031
GI	none	Score	356
Exons	18465..18926, 18467..18919, 18930..19031		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o2.tm	Method	TBLASTX:Maize
Start	18672	End	19097
GI	none	Score	389
Exons	18672..19013, 18683..19012, 19035..19097		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o1.ts	Method	TBLASTX:Soybean
Start	18699	End	19199
GI	none	Score	416
Exons	18699..19199, 18707..18994		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o3.tc	Method	TBLASTX:Cress
Start	18714	End	19163
GI	none	Score	307
Exons	18714..19163, 18717..18881, 18824..18994		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o2.ts	Method	TBLASTX:Soybean
Start	19554	End	20063
GI	5509260	Score	412
Exons	19554..20063, 19607..19849, 19886..20062		
GI Descrip.	-		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o3.tm	Method	TBLASTX:Maize
Start	19593	End	19907
GI	none	Score	380
Exons	19593..19907, 19599..19808, 19607..19906		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o4.tc	Method	TBLASTX:Cress
Start	19685	End	19946
GI	none	Score	267

Exons	19685..19927, 19686..19946		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o2.tw	Method	TBLASTX:Wheat
Start	19727	End	20267
GI	none	Score	314
Exons	19727..20068, 19728..20072, 19872..20072, 20058..20267		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o7.tm	Method	TBLASTX:Maize
Start	19908	End	20261
GI	none	Score	213
Exons	19908..20261, 19910..20164		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o3.np	Method	AAT/NAP
Start	20058	End	21822
GI	951112	Score	131
Exons	20058..20088, 21530..21822		
GI Descrip.	(U22470) galactose-binding lectin precursor [Arachis hypogaea]		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o4.tm	Method	TBLASTX:Maize
Start	20376	End	20762
GI	none	Score	349
Exons	20376..20762, 20384..20755		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o1.tc	Method	TBLASTX:Cress
Start	20415	End	21077
GI	none	Score	251
Exons	20415..20696, 20415..20516, 20573..20683, 20712..20762, 20826..21077, 20861..20986		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o4.ts	Method	TBLASTX:Soybean
Start	20436	End	21086
GI	none	Score	131
Exons	20436..20597, 20465..20563, 20610..20762, 20709..21008, 20826..21086, 20897..21085		
Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o6.tw	Method	TBLASTX:Wheat

Start	20604	End	21047
GI	none	Score	113
Exons	20604..20762, 20628..20807, 20853..21047, 20855..21046		

Seq. No.	19905	Seq. ID	OJ990816_06.9B02.C15
Gene No.	41538	Strand	-
Start	20058	End	21888
Name	OJ990816_06.9B02.C15.o6.gs	Method	GENSCAN
Start	21409	End	21888
GI	none	Score	.95
Exons	21409..21888		

Seq. No.	19906	Seq. ID	OJ990816_06.9B02.C16
Gene No.	41539	Strand	+
Start	170	End	268
Name	OJ990816_06.9B02.C16.o1.gs	Method	GENSCAN
Start	170	End	268
GI	none	Score	.81
Exons	170..268		

Seq. No.	19907	Seq. ID	OJ990816_06.9B02.C17
Gene No.	41540	Strand	-
Start	1659	End	2971
Name	OJ990816_06.9B02.C17.o1.gs	Method	GENSCAN
Start	1659	End	2932
GI	none	Score	.56
Exons	1659..2048, 2142..2427, 2524..2859, 2877..2932		

Seq. No.	19907	Seq. ID	OJ990816_06.9B02.C17
Gene No.	41540	Strand	-
Start	1659	End	2971
Name	OJ990816_06.9B02.C17.o1.np	Method	AAT/NAP
Start	1696	End	2971
GI	6729489	Score	638
Exons	1696..2427, 2524..2876, 2928..2971		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	19907	Seq. ID	OJ990816_06.9B02.C17
Gene No.	41540	Strand	-
Start	1659	End	2971
Name	OJ990816_06.9B02.C17.o1.tm	Method	TBLASTX:Maize
Start	1887	End	2844
GI	none	Score	84
Exons	1887..2030, 2067..2246, 2131..2259, 2274..2450, 2553..2750, 2760..2843, 2767..2844		

Seq. No.	19907	Seq. ID	OJ990816_06.9B02.C17
Gene No.	41540	Strand	-
Start	1659	End	2971
Name	OJ990816_06.9B02.C17.o1.ts	Method	TBLASTX:Soybean
Start	1899	End	2871
GI	none	Score	90
Exons	1899..2009, 2127..2246, 2274..2429, 2550..2867, 2761..2871		

Seq. No.	19907	Seq. ID	OJ990816_06.9B02.C17
Gene No.	41540	Strand	-

Start	1659	End	2971
Name	OJ990816_06.9B02.C17.o1.tc	Method	TBLASTX:Cress
Start	1902	End	2897
GI	none	Score	63
Exons	1902..2087, 1920..2096, 2124..2246, 2131..2250, 2268..2429, 2324..2443, 2326..2430, 2556..2897		

Seq. No.	19907	Seq. ID	OJ990816_06.9B02.C17
Gene No.	41540	Strand	-
Start	1659	End	2971
Name	OJ990816_06.9B02.C17.o1.tw	Method	TBLASTX:Wheat
Start	2124	End	2397
GI	none	Score	68
Exons	2124..2396, 2131..2250, 2274..2393, 2335..2397		

Seq. No.	19907	Seq. ID	OJ990816_06.9B02.C17
Gene No.	41540	Strand	-
Start	1659	End	2971
Name	OJ990816_06.9B02.C17.o2.tw	Method	TBLASTX:Wheat
Start	2556	End	2801
GI	none	Score	177
Exons	2556..2801		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41541	Strand	+
Start	9170	End	12098
Name	OJ990816_06.9B02.C18.o2.gs	Method	GENSCAN
Start	9170	End	12098
GI	none	Score	.67
Exons	9170..9337, 9728..10054, 10141..10271, 10510..10844, 10946..11133, 11208..11397, 11469..11573, 11647..12098		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41541	Strand	+
Start	9170	End	12098
Name	OJ990816_06.9B02.C18.o4.np	Method	AAT/NAP
Start	9170	End	12086
GI	6691716	Score	2469
Exons	9170..10058, 10256..10433, 10510..10612, 10689..10867, 10945..11133, 11208..11309, 11459..11573, 11647..12086		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41542	Strand	-
Start	1	End	7090
Name	OJ990816_06.9B02.C18.o1.np	Method	AAT/NAP
Start	1	End	3912
GI	6466937	Score	1107
Exons	1..1771, 1817..2315, 2391..2601, 3868..3912		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41542	Strand	-
Start	1	End	7090

Name	OJ990816_06.9B02.C18.o1.gs	Method	GENSCAN
Start	1022	End	7090
GI	none	Score	.59
Exons	1022..1822, 1945..2820, 3165..3748, 4175..4207, 5113..5289, 6925..7090		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41542	Strand	-
Start	1	End	7090
Name	OJ990816_06.9B02.C18.o3.np	Method	AAT/NAP
Start	1842	End	3608
GI	951112	Score	125
Exons	1842..1903, 3254..3608		
GI Descrip.	(U22470) galactose-binding lectin precursor [Arachis hypogaea]		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41542	Strand	-
Start	1	End	7090
Name	OJ990816_06.9B02.C18.o2.np	Method	AAT/NAP
Start	2079	End	2285
GI	4585933	Score	65
Exons	2079..2285		
GI Descrip.	(AC007211) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o1.ts	Method	TBLASTX:Soybean
Start	3	End	347
GI	none	Score	122
Exons	3..347, 61..342		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o3.tm	Method	TBLASTX:Maize
Start	3	End	246
GI	none	Score	164
Exons	3..245, 16..246		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o5.tw	Method	TBLASTX:Wheat
Start	3	End	275
GI	none	Score	96
Exons	3..275, 52..243		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o1.tm	Method	TBLASTX:Maize
Start	270	End	749
GI	none	Score	125
Exons	270..749, 271..477, 303..713, 508..738		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18

Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o3.tw	Method	TBLASTX:Wheat
Start	324	End	806
GI	none	Score	167
Exons	324..806, 382..711		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o1.tc	Method	TBLASTX:Cress
Start	354	End	677
GI	none	Score	196
Exons	354..677		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o2.ts	Method	TBLASTX:Soybean
Start	456	End	770
GI	none	Score	236
Exons	456..770		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o4.tm	Method	TBLASTX:Maize
Start	1013	End	1631
GI	none	Score	67
Exons	1013..1102, 1187..1432, 1499..1630, 1505..1606, 1518..1631		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o6.tw	Method	TBLASTX:Wheat
Start	9266	End	9577
GI	none	Score	212
Exons	9266..9577		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o3.gs	Method	GENSCAN
Start	12429	End	13981
GI	none	Score	.97
Exons	12429..13615, 13787..13981		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o5.np	Method	AAT/NAP
Start	12432	End	14099
GI	5902445	Score	2634
Exons	12432..14099		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18

Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o1.tw	Method	TBLASTX:Wheat
Start	12441	End	13055
GI	none	Score	95
Exons	12441..12572, 12564..13055, 12766..12894, 12946..13035		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o5.tm	Method	TBLASTX:Maize
Start	12480	End	12743
GI	none	Score	96
Exons	12480..12581, 12481..12582, 12499..12582, 12561..12743, 12562..12687		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o6.tm	Method	TBLASTX:Maize
Start	12825	End	13098
GI	none	Score	49
Exons	12825..12911, 12921..13004, 12946..13008, 13008..13097, 13009..13098		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o2.tw	Method	TBLASTX:Wheat
Start	13170	End	13557
GI	none	Score	127
Exons	13170..13361, 13170..13556, 13246..13557		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o2.tm	Method	TBLASTX:Maize
Start	13200	End	13563
GI	none	Score	251
Exons	13200..13247, 13239..13562, 13240..13563		

Seq. No.	19908	Seq. ID	OJ990816_06.9B02.C18
Gene No.	41543	Strand	-
Start	12429	End	14099
Name	OJ990816_06.9B02.C18.o4.tw	Method	TBLASTX:Wheat
Start	13725	End	14027
GI	none	Score	78
Exons	13725..14027, 13731..13958, 13840..14025		

Seq. No.	19909	Seq. ID	OJ990816_06.9B02.C19
Gene No.	41544	Strand	-
Start	1	End	1330
Name	OJ990816_06.9B02.C19.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	5042463	Score	94
Exons	1..369, 1287..1330		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	19909	Seq. ID	OJ990816_06.9B02.C19
Gene No.	41544	Strand	-
Start	1	End	1330
Name	OJ990816_06.9B02.C19.o1.gs	Method	GENSCAN
Start	537	End	805
GI	none	Score	.85
Exons	537..616, 701..805		

Seq. No.	19910	Seq. ID	OJ990816_06.9B02.C20
Gene No.	41545	Strand	+
Start	1224	End	1812
Name	OJ990816_06.9B02.C20.o1.gs	Method	GENSCAN
Start	1224	End	1760
GI	none	Score	.67
Exons	1224..1760		

Seq. No.	19910	Seq. ID	OJ990816_06.9B02.C20
Gene No.	41545	Strand	+
Start	1224	End	1812
Name	OJ990816_06.9B02.C20.o1.np	Method	AAT/NAP
Start	1314	End	1812
GI	99966	Score	156
Exons	1314..1812		
GI Descrip.	lectin - winged pea		

Seq. No.	19911	Seq. ID	OJ990816_06.9B02.C21
Gene No.	41546	Strand	-
Start	73	End	1338
Name	OJ990816_06.9B02.C21.o1.gs	Method	GENSCAN
Start	73	End	1275
GI	none	Score	.74
Exons	73..1275		

Seq. No.	19911	Seq. ID	OJ990816_06.9B02.C21
Gene No.	41546	Strand	-
Start	73	End	1338
Name	OJ990816_06.9B02.C21.o1.np	Method	AAT/NAP
Start	76	End	1338
GI	4680179	Score	1967
Exons	76..1338		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19911	Seq. ID	OJ990816_06.9B02.C21
Gene No.	41546	Strand	-
Start	73	End	1338
Name	OJ990816_06.9B02.C21.o3.tw	Method	TBLASTX:Wheat
Start	121	End	454
GI	none	Score	121
Exons	121..453, 173..454		

Seq. No.	19911	Seq. ID	OJ990816_06.9B02.C21
Gene No.	41546	Strand	-
Start	73	End	1338
Name	OJ990816_06.9B02.C21.o1.tm	Method	TBLASTX:Maize
Start	316	End	901
GI	none	Score	104

Exons	316..741, 317..514, 578..742, 739..900, 746..901		
Seq. No.	19911	Seq. ID	OJ990816_06.9B02.C21
Gene No.	41546	Strand	-
Start	73	End	1338
Name	OJ990816_06.9B02.C21.o1.tw	Method	TBLASTX:Wheat
Start	454	End	1080
GI	none	Score	44
Exons	454..1080, 455..514, 575..1021		
Seq. No.	19911	Seq. ID	OJ990816_06.9B02.C21
Gene No.	41546	Strand	-
Start	73	End	1338
Name	OJ990816_06.9B02.C21.o2.tm	Method	TBLASTX:Maize
Start	949	End	1240
GI	none	Score	301
Exons	949..1239, 953..1240, 953..1240		
Seq. No.	19911	Seq. ID	OJ990816_06.9B02.C21
Gene No.	41546	Strand	-
Start	73	End	1338
Name	OJ990816_06.9B02.C21.o1.ts	Method	TBLASTX:Soybean
Start	1039	End	1299
GI	none	Score	182
Exons	1039..1299, 1040..1288		
Seq. No.	19911	Seq. ID	OJ990816_06.9B02.C21
Gene No.	41546	Strand	-
Start	73	End	1338
Name	OJ990816_06.9B02.C21.o2.tw	Method	TBLASTX:Wheat
Start	1087	End	1338
GI	none	Score	252
Exons	1087..1338, 1091..1336		
Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41547	Strand	+
Start	5799	End	6891
Name	OJ990816_06.9B02.C22.o2.np	Method	AAT/NAP
Start	5799	End	6891
GI	4680186	Score	333
Exons	5799..5854, 6690..6891		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41548	Strand	+
Start	7256	End	7375
Name	OJ990816_06.9B02.C22.o2.gs	Method	GENSCAN
Start	7256	End	7375
GI	none	Score	.42
Exons	7256..7375		
Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41549	Strand	-
Start	1	End	6824
Name	OJ990816_06.9B02.C22.o1.np	Method	AAT/NAP
Start	1	End	4500
GI	4680179	Score	5406

Exons	1..3399, 3433..4500		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41549	Strand	-
Start	1	End	6824
Name	OJ990816_06.9B02.C22.o1.gs	Method	GENSCAN
Start	12	End	6719
GI	none	Score	.7
Exons	12..990, 1035..1149, 1208..4308, 4723..4751, 4790..5555, 6654..6719		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41549	Strand	-
Start	1	End	6824
Name	OJ990816_06.9B02.C22.o1.gp	Method	AAT/GAP
Start	4826	End	5280
GI	95437_1.R1084	Score	770
Exons	4826..5280		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41549	Strand	-
Start	1	End	6824
Name	OJ990816_06.9B02.C22.o2.gp	Method	AAT/GAP
Start	6439	End	6824
GI	uC-osflcyp033a04b1	Score	641
Exons	6439..6824		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41550	Strand	-
Start	7566	End	8194
Name	OJ990816_06.9B02.C22.o3.gs	Method	GENSCAN
Start	7566	End	8194
GI	none	Score	.52
Exons	7566..8194		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o6.tw	Method	TBLASTX:Wheat
Start	43	End	376
GI	none	Score	120
Exons	43..375, 64..372, 107..376		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o1.tm	Method	TBLASTX:Maize
Start	223	End	822
GI	none	Score	217
Exons	223..663, 239..661, 661..822, 668..814		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o1.tw	Method	TBLASTX:Wheat
Start	376	End	1002
GI	none	Score	67
Exons	376..1002, 379..501, 488..946		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o4.tm	Method	TBLASTX:Maize
Start	871	End	1162
GI	none	Score	206
Exons	871..1161, 875..1162, 959..1162		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o2.ts	Method	TBLASTX:Soybean
Start	961	End	1221
GI	none	Score	159
Exons	961..1221, 962..1216		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o2.tw	Method	TBLASTX:Wheat
Start	1009	End	1576
GI	none	Score	336
Exons	1009..1545, 1013..1576		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o2.tm	Method	TBLASTX:Maize
Start	1567	End	1930
GI	none	Score	168
Exons	1567..1929, 1576..1929, 1580..1930		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o3.tw	Method	TBLASTX:Wheat
Start	1579	End	2001
GI	none	Score	364
Exons	1579..2001, 1580..1969		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o3.ts	Method	TBLASTX:Soybean
Start	1750	End	1995
GI	none	Score	93
Exons	1750..1995, 1751..1978		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22

Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o3.tm	Method	TBLASTX:Maize
Start	1966	End	2466
GI	none	Score	50
Exons	1966..2280, 2009..2059, 2087..2140, 2287..2466, 2312..2458		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o5.tw	Method	TBLASTX:Wheat
Start	2002	End	2304
GI	none	Score	272
Exons	2002..2304, 2018..2302, 2223..2303		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o1.ts	Method	TBLASTX:Soybean
Start	2017	End	2412
GI	none	Score	193
Exons	2017..2376, 2018..2308, 2336..2374, 2380..2412, 2381..2410		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o4.tw	Method	TBLASTX:Wheat
Start	2353	End	2839
GI	none	Score	290
Exons	2353..2730, 2396..2839, 2785..2835		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o5.tm	Method	TBLASTX:Maize
Start	2534	End	2824
GI	none	Score	215
Exons	2534..2824, 2536..2823		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o8.tw	Method	TBLASTX:Wheat
Start	2950	End	3372
GI	none	Score	69
Exons	2950..3117, 3005..3118, 3163..3372, 3164..3316		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o7.tm	Method	TBLASTX:Maize
Start	3055	End	3330
GI	none	Score	185
Exons	3055..3330		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-

Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o7.tw	Method	TBLASTX:Wheat
Start	3691	End	4055
GI	none	Score	112
Exons	3691..4041, 3848..4042, 3873..4055		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o6.tm	Method	TBLASTX:Maize
Start	3736	End	4041
GI	none	Score	90
Exons	3736..4041, 3911..4027		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o9.tw	Method	TBLASTX:Wheat
Start	4076	End	4439
GI	none	Score	107
Exons	4076..4273, 4078..4275, 4386..4418, 4401..4439		

Seq. No.	19912	Seq. ID	OJ990816_06.9B02.C22
Gene No.	41551	Strand	-
Start	8909	End	8988
Name	OJ990816_06.9B02.C22.o3.np	Method	AAT/NAP
Start	8909	End	8988
GI	4680179	Score	87
Exons	8909..8988		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41552	Strand	+
Start	6252	End	10800
Name	OJ990816_06.9B02.C23.o3.gs	Method	GENSCAN
Start	6252	End	10741
GI	none	Score	.79
Exons	6252..6980, 7673..7857, 8398..8458, 8821..9064, 9220..9748, 10384..10741		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41552	Strand	+
Start	6252	End	10800
Name	OJ990816_06.9B02.C23.o6.np	Method	AAT/NAP
Start	6972	End	10800
GI	5091513	Score	1558
Exons	6972..7036, 7400..7536, 8824..9703, 10356..10800		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o2.np	Method	AAT/NAP
Start	1	End	2669
GI	4680179	Score	2292
Exons	1..44, 960..2669		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o3.np	Method	AAT/NAP
Start	1	End	3874
GI	5042447	Score	2267
Exons	1..20, 903..2682, 3802..3874		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o1.np	Method	AAT/NAP
Start	22	End	6692
GI	5042454	Score	289
Exons	22..75, 308..481, 6434..6692		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o1.gs	Method	GENSCAN
Start	922	End	2817
GI	none	Score	.48
Exons	922..1560, 1645..2817		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o1.tm	Method	TBLASTX:Maize
Start	1063	End	1416
GI	none	Score	213
Exons	1063..1416, 1070..1411		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o1.tw	Method	TBLASTX:Wheat
Start	1063	End	1488
GI	none	Score	317
Exons	1063..1488, 1070..1486		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o2.ts	Method	TBLASTX:Soybean
Start	1234	End	1482
GI	none	Score	206
Exons	1234..1482		

Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o3.tm	Method	TBLASTX:Maize
Start	1423	End	1755
GI	none	Score	149

Exons	1423..1755, 1424..1702		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o3.tw	Method	TBLASTX:Wheat
Start	1489	End	1752
GI	none	Score	244
Exons	1489..1752, 1490..1750		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o1.ts	Method	TBLASTX:Soybean
Start	1504	End	1899
GI	none	Score	69
Exons	1504..1755, 1507..1656, 1514..1747, 1720..1860, 1810..1863, 1867..1899, 1867..1899		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o2.tm	Method	TBLASTX:Maize
Start	1810	End	2257
GI	none	Score	116
Exons	1810..2253, 1820..2257		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o2.tw	Method	TBLASTX:Wheat
Start	1840	End	2323
GI	none	Score	240
Exons	1840..2322, 1843..2319, 1883..2323		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o3.ts	Method	TBLASTX:Soybean
Start	1972	End	2286
GI	none	Score	198
Exons	1972..2286		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o4.tm	Method	TBLASTX:Maize
Start	2258	End	2451
GI	none	Score	156
Exons	2258..2413, 2260..2451		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o4.tw	Method	TBLASTX:Wheat
Start	2326	End	2631
GI	none	Score	67

Exons	2326..2442, 2327..2404, 2491..2631, 2504..2572		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o2.gs	Method	GENSCAN
Start	3082	End	4651
GI	none	Score	.86
Exons	3082..3873, 4640..4651		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o4.np	Method	AAT/NAP
Start	3085	End	3873
GI	4512231	Score	1258
Exons	3085..3873		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	19913	Seq. ID	OJ990816_06.9B02.C23
Gene No.	41553	Strand	-
Start	1	End	10323
Name	OJ990816_06.9B02.C23.o5.np	Method	AAT/NAP
Start	5052	End	10323
GI	6063554	Score	166
Exons	5052..5226, 6383..6638, 10282..10323		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19914	Seq. ID	OJ990816_06.9B02.C24
Gene No.	41554	Strand	+
Start	1	End	2279
Name	OJ990816_06.9B02.C24.o1.np	Method	AAT/NAP
Start	1	End	2279
GI	5091513	Score	1304
Exons	1..666, 716..1231, 1754..1963, 1998..2279		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	19914	Seq. ID	OJ990816_06.9B02.C24
Gene No.	41554	Strand	+
Start	1	End	2279
Name	OJ990816_06.9B02.C24.o1.gs	Method	GENSCAN
Start	103	End	2038
GI	none	Score	.74
Exons	103..628, 716..1018, 1153..1406, 1748..2038		
Seq. No.	19914	Seq. ID	OJ990816_06.9B02.C24
Gene No.	41555	Strand	-
Start	3255	End	5278
Name	OJ990816_06.9B02.C24.o2.np	Method	AAT/NAP
Start	3255	End	5278
GI	6721512	Score	55
Exons	3255..3273, 4537..4687, 5232..5278		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	19915	Seq. ID	OJ990826_02.9B04.C1

Gene No.	41556	Strand	+
Start	706	End	1360
Name	OJ990826_02.9B04.C1.o1.gs	Method	GENSCAN
Start	706	End	1288
GI	none	Score	.6
Exons	706..944, 1081..1288		

Seq. No.	19915	Seq. ID	OJ990826_02.9B04.C1
Gene No.	41556	Strand	+
Start	706	End	1360
Name	OJ990826_02.9B04.C1.o1.gp	Method	AAT/GAP
Start	826	End	1312
GI	17_1.R1084	Score	632
Exons	826..944, 1081..1312		
GI Descrip.	'5295990/dbj|BAA81886.1| 1.0e-126 (AB003328) MADS box-like protein [Oryza sativa]'		

Seq. No.	19915	Seq. ID	OJ990826_02.9B04.C1
Gene No.	41556	Strand	+
Start	706	End	1360
Name	OJ990826_02.9B04.C1.o1.tc	Method	TBLASTX:Cress
Start	1101	End	1303
GI	none	Score	113
Exons	1101..1208, 1211..1303, 1213..1299		

Seq. No.	19915	Seq. ID	OJ990826_02.9B04.C1
Gene No.	41556	Strand	+
Start	706	End	1360
Name	OJ990826_02.9B04.C1.o1.tm	Method	TBLASTX:Maize
Start	1118	End	1300
GI	none	Score	147
Exons	1118..1186, 1119..1208, 1155..1208, 1163..1216, 1207..1299, 1211..1300, 1232..1300		

Seq. No.	19915	Seq. ID	OJ990826_02.9B04.C1
Gene No.	41556	Strand	+
Start	706	End	1360
Name	OJ990826_02.9B04.C1.o1.tw	Method	TBLASTX:Wheat
Start	1118	End	1306
GI	none	Score	103
Exons	1118..1186, 1119..1208, 1158..1208, 1169..1216, 1207..1299, 1211..1306, 1235..1303		

Seq. No.	19915	Seq. ID	OJ990826_02.9B04.C1
Gene No.	41556	Strand	+
Start	706	End	1360
Name	OJ990826_02.9B04.C1.o1.ts	Method	TBLASTX:Soybean
Start	1122	End	1305
GI	none	Score	131
Exons	1122..1208, 1124..1186, 1207..1305, 1211..1303		

Seq. No.	19915	Seq. ID	OJ990826_02.9B04.C1
Gene No.	41556	Strand	+
Start	706	End	1360
Name	OJ990826_02.9B04.C1.o1.np	Method	AAT/NAP
Start	1125	End	1360
GI	5295990	Score	240

Exons	1125..1360		
GI Descrip.	(AB003328) MADS box-like protein [Oryza sativa]		
Seq. No.	19916	Seq. ID	OJ990826_02.9B04.C2
Gene No.	41557	Strand	-
Start	10	End	817
Name	OJ990826_02.9B04.C2.o1.gs	Method	GENSCAN
Start	10	End	817
GI	none	Score	.4
Exons	10..817		
Seq. No.	19917	Seq. ID	OJ990826_02.9B04.C3
Gene No.	41558	Strand	+
Start	154	End	1025
Name	OJ990826_02.9B04.C3.o1.gs	Method	GENSCAN
Start	154	End	1025
GI	none	Score	.66
Exons	154..254, 884..969, 997..1025		
Seq. No.	19917	Seq. ID	OJ990826_02.9B04.C3
Gene No.	41559	Strand	+
Start	5980	End	6799
Name	OJ990826_02.9B04.C3.o3.gs	Method	GENSCAN
Start	5980	End	6799
GI	none	Score	.81
Exons	5980..6110, 6138..6291, 6644..6799		
Seq. No.	19917	Seq. ID	OJ990826_02.9B04.C3
Gene No.	41560	Strand	+
Start	8380	End	8479
Name	OJ990826_02.9B04.C3.o2.np	Method	AAT/NAP
Start	8380	End	8479
GI	5922634	Score	111
Exons	8380..8479		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	19917	Seq. ID	OJ990826_02.9B04.C3
Gene No.	41561	Strand	-
Start	126	End	5229
Name	OJ990826_02.9B04.C3.o1.gp	Method	AAT/GAP
Start	126	End	1948
GI	17_1.R1084	Score	1295
Exons	126..549, 746..787, 907..948, 1048..1147, 1238..1301, 1864..1948		
GI Descrip.	'5295990/dbj|BAA81886.1| 1.0e-126 (AB003328) MADS box-like protein [Oryza sativa]'		
Seq. No.	19917	Seq. ID	OJ990826_02.9B04.C3
Gene No.	41561	Strand	-
Start	126	End	5229
Name	OJ990826_02.9B04.C3.o1.np	Method	AAT/NAP
Start	368	End	2978
GI	5295990	Score	599
Exons	368..549, 746..787, 907..948, 1048..1147, 1238..1289, 1854..1957, 2657..2728, 2881..2978		
GI Descrip.	(AB003328) MADS box-like protein [Oryza sativa]		

Seq. No.	19917	Seq. ID	OJ990826_02.9B04.C3
Gene No.	41561	Strand	-
Start	126	End	5229
Name	OJ990826_02.9B04.C3.o2.gs	Method	GENSCAN
Start	1849	End	5229
GI	none	Score	.49
Exons	1849..1945, 4555..4628, 4730..4784, 4849..5047, 5124..5229		

Seq. No.	19917	Seq. ID	OJ990826_02.9B04.C3
Gene No.	41562	Strand	-
Start	8328	End	8564
Name	OJ990826_02.9B04.C3.o4.gs	Method	GENSCAN
Start	8328	End	8564
GI	none	Score	.77
Exons	8328..8564		

Seq. No.	19918	Seq. ID	OJ990826_02.9B04.C4
Gene No.	41563	Strand	-
Start	1	End	80
Name	OJ990826_02.9B04.C4.o1.gp	Method	AAT/GAP
Start	1	End	80
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	1..80		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19919	Seq. ID	OJ990826_02.9B04.C6
Gene No.	41564	Strand	-
Start	71	End	869
Name	OJ990826_02.9B04.C6.o1.gs	Method	GENSCAN
Start	71	End	869
GI	none	Score	.66
Exons	71..164, 258..494, 784..869		

Seq. No.	19920	Seq. ID	OJ990826_02.9B04.C8
Gene No.	41565	Strand	+
Start	693	End	2961
Name	OJ990826_02.9B04.C8.o1.tm	Method	TBLASTX:Maize
Start	678	End	1156
GI	none	Score	98
Exons	678..773, 679..846, 690..857, 740..856, 863..988, 864..989, 1045..1107, 1045..1140, 1055..1156, 1058..1156		

Seq. No.	19920	Seq. ID	OJ990826_02.9B04.C8
Gene No.	41565	Strand	+
Start	693	End	2961
Name	OJ990826_02.9B04.C8.o1.gs	Method	GENSCAN
Start	693	End	2961
GI	none	Score	.52
Exons	693..984, 1060..1130, 2094..2242, 2921..2961		

Seq. No.	19920	Seq. ID	OJ990826_02.9B04.C8
Gene No.	41565	Strand	+
Start	693	End	2961
Name	OJ990826_02.9B04.C8.o1.gp	Method	AAT/GAP

Start	944	End	2640
GI	3761184	Score	1131
Exons	944..984, 1060..1131, 2094..2640		

Seq. No.	19921	Seq. ID	OJ990826_02.9B04.C9
Gene No.	41566	Strand	+
Start	7736	End	7955
Name	OJ990826_02.9B04.C9.o2.gp	Method	AAT/GAP
Start	7736	End	7955
GI	2800290	Score	343
Exons	7736..7955		

Seq. No.	19921	Seq. ID	OJ990826_02.9B04.C9
Gene No.	41567	Strand	-
Start	5315	End	5464
Name	OJ990826_02.9B04.C9.o1.gp	Method	AAT/GAP
Start	5315	End	5464
GI	uC-osflcyp104c12a1	Score	233
Exons	5315..5464		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	19921	Seq. ID	OJ990826_02.9B04.C9
Gene No.	41568	Strand	-
Start	7303	End	7824
Name	OJ990826_02.9B04.C9.o2.gs	Method	GENSCAN
Start	7303	End	7824
GI	none	Score	.82
Exons	7303..7543, 7757..7824		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41569	Strand	+
Start	1	End	2058
Name	OJ990826_02.9B04.C10.o1.np	Method	AAT/NAP
Start	1	End	823
GI	3510255	Score	291
Exons	1..114, 145..273, 387..823		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41569	Strand	+
Start	1	End	2058
Name	OJ990826_02.9B04.C10.o1.gs	Method	GENSCAN
Start	84	End	2058
GI	none	Score	.48
Exons	84..273, 387..761, 1283..1349, 1923..1964, 1982..2058		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41570	Strand	+
Start	5205	End	5729
Name	OJ990826_02.9B04.C10.o1.gp	Method	AAT/GAP
Start	5205	End	5729
GI	4097_1.R1084	Score	998
Exons	5205..5729		
GI Descrip.	'400983/sp|P31164|RK11_SPIOL 3.0e-21 50S RIBOSOMAL PROTEIN L11, CHLOROPLAST PRECURSOR (CL11) >gi_279648_pir__R5SP11 ribosomal protein L11 precursor - spinach >gi_21313_emb_CAA39950_ (X56615)		

ribosomal protein L11 [Spinacia oleracea]'

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41571	Strand	-
Start	2584	End	7434
Name	OJ990826_02.9B04.C10.o3.tm	Method	TBLASTX:Maize
Start	10	End	431
GI	none	Score	61
Exons	10..48, 15..71, 169..273, 171..272, 386..430, 387..431		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41571	Strand	-
Start	2584	End	7434
Name	OJ990826_02.9B04.C10.o2.gs	Method	GENSCAN
Start	2584	End	7356
GI	none	Score	.63
Exons	2584..2628, 2886..3152, 3550..3863, 4413..4695, 5528..5724, 6220..6234, 6750..6813, 6911..7083, 7170..7356		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41571	Strand	-
Start	2584	End	7434
Name	OJ990826_02.9B04.C10.o2.tm	Method	TBLASTX:Maize
Start	5482	End	6819
GI	none	Score	240
Exons	5482..5577, 5498..5725, 5510..5725, 5607..5726, 6745..6813, 6746..6814, 6748..6819		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41571	Strand	-
Start	2584	End	7434
Name	OJ990826_02.9B04.C10.o1.ts	Method	TBLASTX:Soybean
Start	5508	End	7197
GI	none	Score	56
Exons	5508..5627, 5515..5601, 5516..5713, 5518..5718, 5528..5725, 5607..5726, 6745..6813, 6746..6814, 6906..7085, 6911..7084, 7168..7197		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41571	Strand	-
Start	2584	End	7434
Name	OJ990826_02.9B04.C10.o2.np	Method	AAT/NAP
Start	5516	End	7389
GI	6910575	Score	648
Exons	5516..5724, 6750..6813, 6911..7083, 7170..7389		
GI Descrip.	(AC006424) Very similar to Spinacia oleracea 50S ribosomal p> [Arabidopsis thaliana]		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41571	Strand	-
Start	2584	End	7434
Name	OJ990826_02.9B04.C10.o1.tc	Method	TBLASTX:Cress
Start	5522	End	7197
GI	none	Score	49
Exons	5522..5575, 5528..5581, 5660..5725, 5667..5726, 6748..6813, 6749..6820, 6906..7085, 6911..7084, 7168..7197		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41571	Strand	-
Start	2584	End	7434
Name	OJ990826_02.9B04.C10.o2.gp	Method	AAT/GAP
Start	6887	End	7434
GI	7975_1.R1084	Score	783
Exons	6887..7083, 7170..7434		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	19922	Seq. ID	OJ990826_02.9B04.C10
Gene No.	41571	Strand	-
Start	2584	End	7434
Name	OJ990826_02.9B04.C10.o1.tm	Method	TBLASTX:Maize
Start	6914	End	7360
GI	none	Score	235
Exons	6914..7084, 6915..7085, 7168..7197, 7172..7222, 7202..7252, 7238..7309, 7238..7360, 7267..7305, 7304..7357		

Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o1.gp	Method	AAT/GAP
Start	1	End	261
GI	5667524	Score	510
Exons	1..261		
GI Descrip.	4115913 5.0e-11 (AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=307.1, E=2.2e-88, N=1) [Arabidopsis thaliana] >gi_4539409_emb_CAB40042.1_ (AL049524) putative flavanone 3-beta-hydroxylase [Arabidopsis thaliana]		

Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o1.gs	Method	GENSCAN
Start	73	End	2237
GI	none	Score	.91
Exons	73..333, 1359..1683, 1797..1951, 2160..2237		

Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o1.np	Method	AAT/NAP
Start	85	End	3554
GI	4115913	Score	506
Exons	85..333, 1359..1683, 3529..3554		
GI Descrip.	(AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=307.1, E=2.2e-88, N=1) [Arabidopsis thaliana] gi|4539409|emb|CAB40042.1| (AL049524) putative flavanone 3-beta-hydroxylase [Arabidopsis thaliana]		

Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o1.tm	Method	TBLASTX:Maize
Start	94	End	340

GI	none	Score	290
Exons	94..339, 95..340, 95..340		
Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o2.ts	Method	TBLASTX:Soybean
Start	97	End	339
GI	none	Score	105
Exons	97..189, 202..339, 203..328		
Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o2.tw	Method	TBLASTX:Wheat
Start	98	End	247
GI	none	Score	143
Exons	98..247, 99..239, 100..240		
Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o2.tc	Method	TBLASTX:Cress
Start	100	End	340
GI	none	Score	100
Exons	100..198, 101..169, 205..339, 215..340		
Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o2.gp	Method	AAT/GAP
Start	279	End	1688
GI	uC-osflcyp140h08b1	Score	724
Exons	279..333, 1359..1688		
GI Descrip.	'4115914 9.0e-52 (AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=297.8, E=1.3e-85, N=1) [Arabidopsis thaliana] >gi_4539410_emb_CAB40043.1_ (AL049524) putative Fe(II)/ascorbate oxidase [Arabidopsis thaliana]'		
Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o1.ts	Method	TBLASTX:Soybean
Start	1353	End	1604
GI	none	Score	264
Exons	1353..1604, 1363..1602		
Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o1.tw	Method	TBLASTX:Wheat
Start	1353	End	1689
GI	none	Score	159
Exons	1353..1412, 1422..1682, 1422..1685, 1423..1689, 1507..1689		
Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11

Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o2.tm	Method	TBLASTX:Maize
Start	1362	End	1620
GI	none	Score	176
Exons	1362..1619, 1365..1616, 1369..1620		

Seq. No.	19923	Seq. ID	OJ990826_02.9B04.C11
Gene No.	41572	Strand	-
Start	1	End	3554
Name	OJ990826_02.9B04.C11.o1.tc	Method	TBLASTX:Cress
Start	1383	End	1716
GI	none	Score	253
Exons	1383..1412, 1422..1685, 1423..1686, 1540..1716		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41573	Strand	+
Start	3114	End	3624
Name	OJ990826_02.9B04.C12.o2.gp	Method	AAT/GAP
Start	3114	End	3624
GI	38782_1.R1084	Score	960
Exons	3114..3624		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41574	Strand	+
Start	6021	End	6193
Name	OJ990826_02.9B04.C12.o4.gp	Method	AAT/GAP
Start	6021	End	6193
GI	15870_2.R1084	Score	235
Exons	6021..6193		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41575	Strand	-
Start	1	End	1688
Name	OJ990826_02.9B04.C12.o1.np	Method	AAT/NAP
Start	1	End	1688
GI	6907086	Score	1284
Exons	1..229, 304..431, 680..849, 909..1688		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41575	Strand	-
Start	1	End	1688
Name	OJ990826_02.9B04.C12.o1.gs	Method	GENSCAN
Start	903	End	1367
GI	none	Score	1
Exons	903..1367		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41576	Strand	-
Start	1763	End	1954
Name	OJ990826_02.9B04.C12.o1.gp	Method	AAT/GAP
Start	1763	End	1954

GI	5667165	Score	364
Exons	1763..1954		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41577	Strand	-
Start	2390	End	3367
Name	OJ990826_02.9B04.C12.o2.np	Method	AAT/NAP
Start	2390	End	3367
GI	4680186	Score	205
Exons	2390..2808, 3309..3367		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41578	Strand	-
Start	3389	End	5683
Name	OJ990826_02.9B04.C12.o3.np	Method	AAT/NAP
Start	3389	End	5683
GI	4115913	Score	289
Exons	3389..3500, 5107..5354, 5471..5683		
GI Descrip.	(AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=307.1, E=2.2e-88, N=1) [Arabidopsis thaliana] gi|4539409|emb|CAB40042.1| (AL049524) putative flavanone 3-beta-hydroxylase [Arabidopsis thaliana]		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41578	Strand	-
Start	3389	End	5683
Name	OJ990826_02.9B04.C12.o2.gs	Method	GENSCAN
Start	4959	End	5665
GI	none	Score	.95
Exons	4959..5354, 5471..5665		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41578	Strand	-
Start	3389	End	5683
Name	OJ990826_02.9B04.C12.o3.gp	Method	AAT/GAP
Start	5106	End	5191
GI	uC-osflcyp140h08b1	Score	130
Exons	5106..5191		
GI Descrip.	'4115914 9.0e-52 (AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=297.8, E=1.3e-85, N=1) [Arabidopsis thaliana] >gi_4539410_emb_CAB40043.1_ (AL049524) putative Fe(II)/ascorbate oxidase [Arabidopsis thaliana]'		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41579	Strand	-
Start	8250	End	11146
Name	OJ990826_02.9B04.C12.o1.ts	Method	TBLASTX:Soybean
Start	5104	End	5654
GI	none	Score	153
Exons	5104..5367, 5106..5366, 5469..5654, 5471..5653		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41579	Strand	-

Start	8250	End	11146
Name	OJ990826_02.9B04.C12.o1.tm	Method	TBLASTX:Maize
Start	5106	End	5318
GI	none	Score	199
Exons	5106..5318, 5107..5307		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41579	Strand	-
Start	8250	End	11146
Name	OJ990826_02.9B04.C12.o3.gs	Method	GENSCAN
Start	8250	End	11146
GI	none	Score	.61
Exons	8250..8311, 8355..8390, 9462..9587, 9605..9766, 11029..11146		

Seq. No.	19924	Seq. ID	OJ990826_02.9B04.C12
Gene No.	41579	Strand	-
Start	8250	End	11146
Name	OJ990826_02.9B04.C12.o4.np	Method	AAT/NAP
Start	8836	End	10343
GI	6069646	Score	105
Exons	8836..8888, 9146..9215, 10033..10343		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	19925	Seq. ID	OJ990826_02.9B04.C14
Gene No.	41580	Strand	+
Start	524	End	1050
Name	OJ990826_02.9B04.C14.o1.gs	Method	GENSCAN
Start	524	End	1050
GI	none	Score	.56
Exons	524..616, 955..1050		

Seq. No.	19925	Seq. ID	OJ990826_02.9B04.C14
Gene No.	41581	Strand	-
Start	1003	End	2428
Name	OJ990826_02.9B04.C14.o1.np	Method	AAT/NAP
Start	1003	End	2428
GI	5852084	Score	67
Exons	1003..1086, 2314..2428		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	19925	Seq. ID	OJ990826_02.9B04.C14
Gene No.	41582	Strand	-
Start	2990	End	5040
Name	OJ990826_02.9B04.C14.o2.gs	Method	GENSCAN
Start	2990	End	5040
GI	none	Score	.58
Exons	2990..3167, 3296..3476, 4260..4541, 4639..4759, 4796..5040		

Seq. No.	19926	Seq. ID	OJ990826_02.9B04.C15
Gene No.	41583	Strand	+
Start	35	End	199
Name	OJ990826_02.9B04.C15.o1.gs	Method	GENSCAN
Start	35	End	199

GI	none	Score	.93
Exons	35..199		

Seq. No.	19926	Seq. ID	OJ990826_02.9B04.C15
Gene No.	41584	Strand	+
Start	1687	End	1987
Name	OJ990826_02.9B04.C15.o1.gp	Method	AAT/GAP
Start	1687	End	1987
GI	uC-osflcyp088b12b1	Score	155
Exons	1687..1795, 1946..1987		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19926	Seq. ID	OJ990826_02.9B04.C15
Gene No.	41585	Strand	-
Start	1	End	4990
Name	OJ990826_02.9B04.C15.o1.np	Method	AAT/NAP
Start	1	End	1116
GI	5295955	Score	184
Exons	1..253, 997..1116		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	19926	Seq. ID	OJ990826_02.9B04.C15
Gene No.	41585	Strand	-
Start	1	End	4990
Name	OJ990826_02.9B04.C15.o2.np	Method	AAT/NAP
Start	150	End	4990
GI	5441880	Score	533
Exons	150..195, 2762..3064, 3584..3889, 3996..4169, 4738..4990		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19926	Seq. ID	OJ990826_02.9B04.C15
Gene No.	41585	Strand	-
Start	1	End	4990
Name	OJ990826_02.9B04.C15.o2.gs	Method	GENSCAN
Start	1928	End	4832
GI	none	Score	.83
Exons	1928..2137, 2392..2415, 2499..2679, 2772..3070, 3163..3288, 3356..3932, 4015..4165, 4719..4832		

Seq. No.	19926	Seq. ID	OJ990826_02.9B04.C15
Gene No.	41585	Strand	-
Start	1	End	4990
Name	OJ990826_02.9B04.C15.o1.tw	Method	TBLASTX:Wheat
Start	3521	End	3850
GI	none	Score	100
Exons	3521..3553, 3590..3625, 3659..3787, 3660..3788, 3786..3842, 3797..3850		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41586	Strand	+
Start	453	End	984
Name	OJ990826_02.9B04.C17.o1.gs	Method	GENSCAN
Start	453	End	984

GI	none	Score	.97
Exons	453..462, 911..984		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41587	Strand	+
Start	7070	End	7313
Name	OJ990826_02.9B04.C17.o2.np	Method	AAT/NAP
Start	7070	End	7313
GI	4584355	Score	191
Exons	7070..7313		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41588	Strand	+
Start	9597	End	16016
Name	OJ990826_02.9B04.C17.o4.gs	Method	GENSCAN
Start	9597	End	15655
GI	none	Score	.56
Exons	9597..9755, 9918..10062, 11354..11402, 12106..12250, 12523..12823, 13423..13502, 15010..15134, 15229..15247, 15335..15476, 15549..15655		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41588	Strand	+
Start	9597	End	16016
Name	OJ990826_02.9B04.C17.o3.np	Method	AAT/NAP
Start	12586	End	15562
GI	6358788	Score	838
Exons	12586..12688, 12802..12823, 13941..13997, 14094..14175, 14806..14901, 15010..15134, 15229..15247, 15335..15469, 15506..15562		
GI Descrip.	(AC010852) unknown protein [Arabidopsis thaliana]		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41588	Strand	+
Start	9597	End	16016
Name	OJ990826_02.9B04.C17.o1.gp	Method	AAT/GAP
Start	14030	End	16016
GI	29167_1.R1084	Score	1727
Exons	14030..14084, 14111..14175, 14806..14901, 15010..15134, 15335..16016		
GI Descrip.	'3451072/emb|CAA20468.1| 2.0e-35 (AL031326) putative protein [Arabidopsis thaliana]'		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41589	Strand	-
Start	1217	End	2685
Name	OJ990826_02.9B04.C17.o2.gs	Method	GENSCAN
Start	1217	End	2685
GI	none	Score	.44
Exons	1217..1452, 2246..2356, 2622..2685		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41590	Strand	-
Start	4165	End	6217
Name	OJ990826_02.9B04.C17.o3.gs	Method	GENSCAN
Start	4165	End	6217

GI	none	Score	.99
Exons	4165..4221, 5494..5771, 5914..6217		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o3.tm	Method	TBLASTX:Maize
Start	5907	End	6176
GI	none	Score	95
Exons	5907..5996, 5912..6004, 6092..6175, 6093..6176		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o1.tc	Method	TBLASTX:Cress
Start	12585	End	14901
GI	none	Score	128
Exons	12585..12686, 12586..12687, 13940..13999, 13941..14000, 13942..14001, 14091..14177, 14092..14178, 14803..14901, 14805..14900		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o1.ts	Method	TBLASTX:Soybean
Start	12592	End	15557
GI	none	Score	114
Exons	12592..12687, 12594..12686, 13915..13998, 13933..14001, 14091..14177, 14092..14178, 14803..14901, 14805..14900, 14819..14902, 15009..15131, 15010..15135, 15013..15135, 15209..15247, 15329..15379, 15329..15385, 15331..15411, 15379..15468, 15388..15447, 15389..15556, 15390..15557		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o2.tm	Method	TBLASTX:Maize
Start	15079	End	15657
GI	none	Score	76
Exons	15079..15129, 15081..15131, 15083..15136, 15230..15247, 15327..15506, 15331..15444, 15432..15563, 15440..15508, 15506..15550, 15547..15594, 15557..15607, 15559..15645, 15574..15657, 15616..15639		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o5.gs	Method	GENSCAN
Start	16187	End	18361
GI	none	Score	.93
Exons	16187..16274, 17149..17282, 17532..17663, 18200..18361		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o2.gp	Method	AAT/GAP
Start	16726	End	21425

GI	40_1.R1084	Score	2194
Exons	16726..17039, 17149..17282, 17532..17663, 18200..18393, 21053..21425		
GI Descrip.	'4887620/dbj|BAA77823.1| 1.0e-104 (AB007629) homeobox gene [Oryza sativa]'		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o1.tm	Method	TBLASTX:Maize
Start	17112	End	18379
GI	none	Score	143
Exons	17112..17282, 17146..17253, 17147..17284, 17530..17667, 17532..17666, 18199..18258, 18200..18349, 18239..18370, 18341..18379		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o1.tw	Method	TBLASTX:Wheat
Start	17139	End	18307
GI	none	Score	82
Exons	17139..17282, 17173..17253, 17184..17282, 17322..17351, 17488..17667, 17532..17666, 18200..18283, 18269..18307		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o2.tc	Method	TBLASTX:Cress
Start	17148	End	21173
GI	none	Score	98
Exons	17148..17282, 17185..17253, 17485..17667, 17532..17666, 18200..18292, 18341..18397, 21051..21167, 21063..21173		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o2.ts	Method	TBLASTX:Soybean
Start	17148	End	21173
GI	none	Score	112
Exons	17148..17189, 17175..17282, 17182..17253, 17184..17279, 17530..17667, 17532..17666, 18200..18352, 18341..18397, 21051..21173, 21063..21170		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o4.np	Method	AAT/NAP
Start	17148	End	21179
GI	4887620	Score	941
Exons	17148..17282, 17532..17663, 18200..18393, 21053..21179		
GI Descrip.	(AB007629) homeobox gene [Oryza sativa]		

Seq. No.	19927	Seq. ID	OJ990826_02.9B04.C17
Gene No.	41591	Strand	-
Start	16187	End	21425
Name	OJ990826_02.9B04.C17.o6.gs	Method	GENSCAN

Start	20709	End	21179
GI	none	Score	.74
Exons	20709..20728, 21053..21179		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41592	Strand	+
Start	15113	End	15403
Name	OJ990826_02.9B04.C18.o4.gs	Method	GENSCAN
Start	15113	End	15403
GI	none	Score	.43
Exons	15113..15403		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41593	Strand	+
Start	21978	End	29510
Name	OJ990826_02.9B04.C18.o4.np	Method	AAT/NAP
Start	21978	End	25216
GI	5852093	Score	79
Exons	21978..22018, 23370..23469, 24341..24384, 25190..25216		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41593	Strand	+
Start	21978	End	29510
Name	OJ990826_02.9B04.C18.o6.np	Method	AAT/NAP
Start	24257	End	25727
GI	2226370	Score	85
Exons	24257..24278, 25492..25727		
GI Descrip.	(AF005359) RNA-binding protein [Nicotiana glutinosa]		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41593	Strand	+
Start	21978	End	29510
Name	OJ990826_02.9B04.C18.o6.gs	Method	GENSCAN
Start	25347	End	28686
GI	none	Score	.66
Exons	25347..25384, 25499..25734, 25898..26778, 26859..26977, 27254..28426, 28515..28686		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41593	Strand	+
Start	21978	End	29510
Name	OJ990826_02.9B04.C18.o8.np	Method	AAT/NAP
Start	26578	End	29510
GI	479357	Score	1009
Exons	26578..26781, 26859..28319, 28555..28599, 29442..29510		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41594	Strand	-
Start	179	End	652
Name	OJ990826_02.9B04.C18.o1.gp	Method	AAT/GAP
Start	179	End	652
GI	none	Score	908
Exons	179..652		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41595	Strand	-
Start	7502	End	8459
Name	OJ990826_02.9B04.C18.o2.gs	Method	GENSCAN
Start	7502	End	8459
GI	none	Score	.89
Exons	7502..7845, 8402..8459		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41596	Strand	-
Start	9884	End	12952
Name	OJ990826_02.9B04.C18.o3.gs	Method	GENSCAN
Start	9884	End	12952
GI	none	Score	.79
Exons	9884..9943, 10045..10113, 10353..10430, 10813..11007, 11108..11170, 11291..11470, 11872..11976, 12057..12179, 12389..12952		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41596	Strand	-
Start	9884	End	12952
Name	OJ990826_02.9B04.C18.o1.np	Method	AAT/NAP
Start	10033	End	12904
GI	3292816	Score	1425
Exons	10033..10113, 10211..10273, 10353..10454, 10813..11007, 11108..11170, 11291..11470, 11872..11976, 12057..12179, 12389..12562, 12608..12685, 12731..12904		
GI Descrip.	(AL031018) putative fizzy-related protein [Arabidopsis thaliana]		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o3.tm	Method	TBLASTX:Maize
Start	9665	End	11417
GI	none	Score	47
Exons	9665..9730, 9740..9817, 9791..9823, 9876..9950, 9885..9944, 10045..10116, 10046..10114, 10211..10273, 10215..10277, 10311..10454, 10354..10455, 10355..10456, 10359..10457, 10808..11002, 10810..11007, 10811..11002, 11111..11173, 11112..11171, 11288..11383, 11288..11368, 11370..11417		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o1.ts	Method	TBLASTX:Soybean
Start	10386	End	12071
GI	none	Score	75
Exons	10386..10454, 10387..10458, 10808..11005, 10810..11010, 10812..10922, 10813..10998, 10916..11002, 11105..11173, 11107..11181, 11109..11189, 11288..11470, 11289..11465, 11810..11977, 11840..11977, 11869..11979, 11869..11979, 12045..12071		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o7.tm	Method	TBLASTX:Maize

Start	11869	End	12174
GI	none	Score	65
Exons	11869..11979, 11876..11977, 12045..12089, 12096..12173, 12106..12174		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o2.tw	Method	TBLASTX:Wheat
Start	16355	End	16507
GI	none	Score	152
Exons	16355..16507, 16355..16507		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o4.tm	Method	TBLASTX:Maize
Start	16355	End	16555
GI	none	Score	161
Exons	16355..16555, 16358..16543, 16405..16545		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o5.gs	Method	GENSCAN
Start	16358	End	23894
GI	none	Score	.78
Exons	16358..16703, 16794..16840, 17427..17753, 19455..19568, 19651..19803, 20482..20600, 21893..21976, 22292..22555, 22569..22692, 23088..23186, 23889..23894		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o2.np	Method	AAT/NAP
Start	16364	End	17731
GI	2293058	Score	102
Exons	16364..16626, 17494..17731		
GI Descrip.	(AJ000318) putative RNA-binding protein [Schizosaccharomyces pombe] gi|3006181|emb|CAA18401.1| (AL022304) putative rna-binding protein. [Schizosaccharomyces pombe]		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o5.tm	Method	TBLASTX:Maize
Start	17410	End	17881
GI	none	Score	152
Exons	17410..17586, 17427..17585, 17491..17586, 17697..17720, 17698..17724, 17698..17721, 17717..17794, 17822..17881		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o2.gp	Method	AAT/GAP
Start	17633	End	17839
GI	5003363	Score	348

Exons	17633..17839		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o3.gp	Method	AAT/GAP
Start	19194	End	21976
GI	714_1.R1084	Score	921
Exons	19194..19343, 19455..19568, 19651..19803, 21893..21976		
GI Descrip.	'1174162 2.0e-75 (U44976) ubiquitin-conjugating enzyme [Arabidopsis thaliana] >gi_3746915 (AF091106) E2 ubiquitin-conjugating-like enzyme [Arabidopsis thaliana]'		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o1.tm	Method	TBLASTX:Maize
Start	19233	End	22155
GI	none	Score	49
Exons	19233..19268, 19233..19268, 19268..19354, 19278..19355, 19279..19344, 19453..19569, 19453..19566, 19455..19568, 19633..19803, 19644..19805, 19651..19803, 21892..21948, 21893..21982, 21893..21982, 22057..22155		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o1.tc	Method	TBLASTX:Cress
Start	19259	End	22155
GI	none	Score	64
Exons	19259..19345, 19281..19346, 19285..19344, 19453..19566, 19455..19568, 19462..19572, 19654..19803, 19664..19804, 21893..21982, 21894..21983, 22087..22155		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o2.ts	Method	TBLASTX:Soybean
Start	19281	End	22146
GI	none	Score	69
Exons	19281..19355, 19291..19344, 19453..19569, 19455..19568, 19651..19803, 19655..19804, 19667..19804, 21893..21982, 21894..21998, 22057..22146		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o1.tw	Method	TBLASTX:Wheat
Start	19282	End	22149
GI	none	Score	88
Exons	19282..19344, 19284..19355, 19426..19566, 19453..19569, 19455..19568, 19651..19803, 19654..19803, 19659..19805, 21892..21951, 21893..21979, 21893..21982, 21894..21983, 22087..22149		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-

Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o3.np	Method	AAT/NAP
Start	19284	End	22155
GI	1174162	Score	692
Exons	19284..19343, 19455..19568, 19651..19803, 21893..21976, 22087..22155		
GI Descrip.	(U44976) ubiquitin-conjugating enzyme [Arabidopsis thaliana] gi|3746915 (AF091106) E2 ubiquitin-conjugating-like enzyme [Arabidopsis thaliana] gi|6729530|emb|CAB67615.1| (AL132977) E2 ubiquitin-conjugating-like enzyme Ahus5 [Arabidopsis thaliana]		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41597	Strand	-
Start	16358	End	25910
Name	OJ990826_02.9B04.C18.o5.np	Method	AAT/NAP
Start	22690	End	25910
GI	5852093	Score	58
Exons	22690..22712, 23485..23556, 24428..24532, 25832..25910		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41598	Strand	
Start	26874	End	27203
Name	OJ990826_02.9B04.C18.o8.tm	Method	TBLASTX:Maize
Start	26874	End	27203
GI	none	Score	194
Exons	26874..27203, 27032..27172		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41599	Strand	
Start	27204	End	27854
Name	OJ990826_02.9B04.C18.o2.tm	Method	TBLASTX:Maize
Start	27204	End	27854
GI	none	Score	323
Exons	27204..27506, 27225..27464, 27227..27508, 27497..27562, 27498..27569, 27579..27854, 27579..27788		

Seq. No.	19928	Seq. ID	OJ990826_02.9B04.C18
Gene No.	41600	Strand	
Start	28089	End	28382
Name	OJ990826_02.9B04.C18.o6.tm	Method	TBLASTX:Maize
Start	28089	End	28382
GI	none	Score	194
Exons	28089..28316, 28095..28319, 28323..28382		

Seq. No.	19929	Seq. ID	OJ990826_02.9B04.C19
Gene No.	41601	Strand	-
Start	2462	End	4141
Name	OJ990826_02.9B04.C19.o1.np	Method	AAT/NAP
Start	2462	End	4141
GI	6539588	Score	298
Exons	2462..2529, 3832..4141		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	19930	Seq. ID	OJ990826_02.9B04.C20
Gene No.	41602	Strand	+
Start	68	End	439

Name	OJ990826_02.9B04.C20.o1.gs	Method	GENSCAN
Start	68	End	439
GI	none	Score	.83
Exons	68..163, 255..439		

Seq. No.	19930	Seq. ID	OJ990826_02.9B04.C20
Gene No.	41603	Strand	-
Start	8156	End	9933
Name	OJ990826_02.9B04.C20.o2.np	Method	AAT/NAP
Start	8156	End	9933
GI	2992160	Score	143
Exons	8156..8246, 9643..9933		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	19930	Seq. ID	OJ990826_02.9B04.C20
Gene No.	41604	Strand	-
Start	9901	End	10602
Name	OJ990826_02.9B04.C20.o1.tm	Method	TBLASTX:Maize
Start	9563	End	10333
GI	none	Score	99
Exons	9563..9622, 9656..9751, 9767..9838, 9941..10240, 10026..10163, 10274..10333		

Seq. No.	19930	Seq. ID	OJ990826_02.9B04.C20
Gene No.	41604	Strand	-
Start	9901	End	10602
Name	OJ990826_02.9B04.C20.o3.np	Method	AAT/NAP
Start	9901	End	10602
GI	4680209	Score	350
Exons	9901..10399, 10482..10602		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	19930	Seq. ID	OJ990826_02.9B04.C20
Gene No.	41605	Strand	
Start	10551	End	10828
Name	OJ990826_02.9B04.C20.o2.tm	Method	TBLASTX:Maize
Start	10551	End	10828
GI	none	Score	133
Exons	10551..10718, 10556..10828		

Seq. No.	19931	Seq. ID	OJ990826_02.9B04.C21
Gene No.	41606	Strand	-
Start	1	End	1867
Name	OJ990826_02.9B04.C21.o1.np	Method	AAT/NAP
Start	1	End	1867
GI	4680209	Score	245
Exons	1..532, 563..639, 1793..1867		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	19931	Seq. ID	OJ990826_02.9B04.C21
Gene No.	41606	Strand	-
Start	1	End	1867
Name	OJ990826_02.9B04.C21.o2.np	Method	AAT/NAP
Start	1	End	1867
GI	6016874	Score	307
Exons	1..32, 949..1252, 1341..1489, 1834..1867		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a		

region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]

Seq. No.	19931	Seq. ID	OJ990826_02.9B04.C21
Gene No.	41606	Strand	-
Start	1	End	1867
Name	OJ990826_02.9B04.C21.o1.gs	Method	GENSCAN
Start	1049	End	1188
GI	none	Score	.56
Exons	1049..1188		

Seq. No.	19931	Seq. ID	OJ990826_02.9B04.C21
Gene No.	41606	Strand	-
Start	1	End	1867
Name	OJ990826_02.9B04.C21.o1.tm	Method	TBLASTX:Maize
Start	1333	End	1652
GI	none	Score	48
Exons	1333..1509, 1355..1456, 1501..1641, 1506..1652		

Seq. No.	19932	Seq. ID	OJ990826_02.9B04.C24
Gene No.	41607	Strand	-
Start	152	End	507
Name	OJ990826_02.9B04.C24.o1.ts	Method	TBLASTX:Soybean
Start	151	End	402
GI	none	Score	264
Exons	151..402, 161..400		

Seq. No.	19932	Seq. ID	OJ990826_02.9B04.C24
Gene No.	41607	Strand	-
Start	152	End	507
Name	OJ990826_02.9B04.C24.o1.tw	Method	TBLASTX:Wheat
Start	151	End	503
GI	none	Score	232
Exons	151..210, 220..408, 221..409, 300..410, 327..410, 477..503		

Seq. No.	19932	Seq. ID	OJ990826_02.9B04.C24
Gene No.	41607	Strand	-
Start	152	End	507
Name	OJ990826_02.9B04.C24.o1.np	Method	AAT/NAP
Start	152	End	507
GI	4115914	Score	251
Exons	152..507		
GI Descrip.	(AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=297.8, E=1.3e-85, N=1) [Arabidopsis thaliana] gi|4539410|emb|CAB40043.1| (AL049524) putative Fe(II)/ascorbate oxidase [Arabidopsis thaliana]		

Seq. No.	19932	Seq. ID	OJ990826_02.9B04.C24
Gene No.	41607	Strand	-
Start	152	End	507
Name	OJ990826_02.9B04.C24.o1.gp	Method	AAT/GAP
Start	157	End	507
GI	uC-osflcyp140h08b1	Score	551
Exons	157..507		
GI Descrip.	'4115914 9.0e-52 (AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=297.8, E=1.3e-85, N=1) [Arabidopsis thaliana]		

>gi_4539410_emb_CAB40043.1_ (AL049524) putative Fe(II)/ascorbate oxidase [Arabidopsis thaliana]'

Seq. No.	19932	Seq. ID	OJ990826_02.9B04.C24
Gene No.	41607	Strand	-
Start	152	End	507
Name	OJ990826_02.9B04.C24.o1.gs	Method	GENSCAN
Start	157	End	412
GI	none	Score	.77
Exons	157..412		

Seq. No.	19932	Seq. ID	OJ990826_02.9B04.C24
Gene No.	41607	Strand	-
Start	152	End	507
Name	OJ990826_02.9B04.C24.o1.tm	Method	TBLASTX:Maize
Start	160	End	412
GI	none	Score	281
Exons	160..411, 167..412, 302..412		

Seq. No.	19932	Seq. ID	OJ990826_02.9B04.C24
Gene No.	41607	Strand	-
Start	152	End	507
Name	OJ990826_02.9B04.C24.o1.tc	Method	TBLASTX:Cress
Start	181	End	412
GI	none	Score	192
Exons	181..210, 220..411, 221..412		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41608	Strand	-
Start	76	End	2589
Name	OJ990816_09.9B19.C1.o1.np	Method	AAT/NAP
Start	76	End	2277
GI	114088	Score	559
Exons	76..404, 487..552, 637..737, 840..912, 2205..2277		
GI Descrip.	RAS-RELATED PROTEIN ARA-3 gi|320560|pir||JS0640 GTP-binding protein ara-3 - Arabidopsis thaliana gi|217837|dbj|BAA00830| (D01025) small GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41608	Strand	-
Start	76	End	2589
Name	OJ990816_09.9B19.C1.o1.gp	Method	AAT/GAP
Start	307	End	2589
GI	1543_1.R1084	Score	1093
Exons	307..404, 487..552, 637..737, 840..912, 2205..2361, 2462..2589		
GI Descrip.	'5669640/gb|AAD46405.1|AF096249_1 3.0e-84 (AF096249) ethylene-responsive small GTP-binding protein [Lycopersicon esculentum]'		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41608	Strand	-
Start	76	End	2589
Name	OJ990816_09.9B19.C1.o1.gs	Method	GENSCAN
Start	307	End	2277
GI	none	Score	.9
Exons	307..404, 637..737, 840..912, 2205..2277		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o2.tw	Method	TBLASTX:Wheat
Start	298	End	920
GI	none	Score	48
Exons	298..405, 305..382, 485..559, 831..920, 839..913	486..548, 638..754, 639..704,	

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o1.tc	Method	TBLASTX:Cress
Start	303	End	914
GI	none	Score	102
Exons	303..404, 306..404, 307..405, 485..559, 638..754, 639..704,	308..448, 481..558, 483..560, 742..783, 831..914, 839..913	

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o1.ts	Method	TBLASTX:Soybean
Start	304	End	914
GI	none	Score	133
Exons	304..405, 305..397, 305..406, 639..704, 831..914, 839..913,	483..560, 485..559, 638..754, 846..914	

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o1.tm	Method	TBLASTX:Maize
Start	307	End	2275
GI	none	Score	150
Exons	307..405, 308..403, 320..406, 638..739, 638..754, 831..914,	483..560, 485..559, 637..738, 839..913, 840..914, 2204..2275	

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o2.gp	Method	AAT/GAP
Start	6953	End	8110
GI	5333_3.R1084	Score	2128
Exons	6953..7759, 7836..8110		
GI Descrip.	'6009909/dbj|BAA85117.1| 1.0e-37 (AB018242) histone H2A-like protein [Solanum melongena]'		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o3.gs	Method	GENSCAN
Start	7487	End	8054
GI	none	Score	1
Exons	7487..7759, 7836..8054		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110

Name	OJ990816_09.9B19.C1.o2.np	Method	AAT/NAP
Start	7523	End	8048
GI	729669	Score	545
Exons	7523..7759, 7836..8048		
GI Descrip.	HISTONE H2A gi|2118992|pir||S60474 histone H2A - garden pea gi|498896 (U10041) histone H2A homolog [Pisum sativum]		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o2.ts	Method	TBLASTX:Soybean
Start	7524	End	7977
GI	none	Score	205
Exons	7524..7760, 7592..7786, 7771..7806, 7875..7973, 7939..7977		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o2.tm	Method	TBLASTX:Maize
Start	7584	End	7977
GI	none	Score	206
Exons	7584..7754, 7592..7786, 7875..7973, 7882..7902, 7939..7977		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o2.tc	Method	TBLASTX:Cress
Start	7587	End	7973
GI	none	Score	122
Exons	7587..7760, 7592..7786, 7875..7973		

Seq. No.	19933	Seq. ID	OJ990816_09.9B19.C1
Gene No.	41609	Strand	-
Start	7487	End	8110
Name	OJ990816_09.9B19.C1.o1.tw	Method	TBLASTX:Wheat
Start	7590	End	8109
GI	none	Score	164
Exons	7590..7760, 7592..7786, 7595..7801, 7875..7973, 8047..8109		

Seq. No.	19934	Seq. ID	OJ990816_09.9B19.C2
Gene No.	41610	Strand	-
Start	7298	End	7430
Name	OJ990816_09.9B19.C2.o1.gp	Method	AAT/GAP
Start	7298	End	7430
GI	uC-osf1M2020118f06a1	Score	253
Exons	7298..7430		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41611	Strand	+
Start	99	End	8334
Name	OJ990816_09.9B19.C3.o1.gs	Method	GENSCAN
Start	99	End	8334
GI	none	Score	.55
Exons	99..154, 1147..1203, 2147..2453, 4215..4240, 4603..4840, 5639..5662, 5960..6093, 6533..6778, 7018..7098, 7981..8334		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41611	Strand	+
Start	99	End	8334
Name	OJ990816_09.9B19.C3.o1.np	Method	AAT/NAP
Start	4672	End	8325
GI	3355474	Score	1325
Exons	4672..4841, 5967..6075, 6533..6778, 7018..7098, 7508..7741, 7981..8325		
GI Descrip.	(AC004218) unknown protein [Arabidopsis thaliana]		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41612	Strand	-
Start	12054	End	13274
Name	OJ990816_09.9B19.C3.o1.gp	Method	AAT/GAP
Start	11982	End	12941
GI	none	Score	1010
Exons	11982..12217, 12500..12605, 12720..12941		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41612	Strand	-
Start	12054	End	13274
Name	OJ990816_09.9B19.C3.o2.gs	Method	GENSCAN
Start	12054	End	13274
GI	none	Score	.54
Exons	12054..12217, 12500..12605, 12665..12668, 13021..13274		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41613	Strand	-
Start	14229	End	19597
Name	OJ990816_09.9B19.C3.o3.gs	Method	GENSCAN
Start	14229	End	19597
GI	none	Score	.57
Exons	14229..14245, 17914..18085, 18793..18910, 18922..19019, 19487..19597		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41614	Strand	-
Start	19910	End	20062
Name	OJ990816_09.9B19.C3.o2.ts	Method	TBLASTX:Soybean
Start	4747	End	7678
GI	none	Score	62
Exons	4747..4803, 4795..4842, 5973..6077, 5974..6075, 6530..6778, 6532..6786, 6553..6780, 7017..7079, 7017..7088, 7018..7089, 7496..7678, 7522..7677		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41614	Strand	-
Start	19910	End	20062
Name	OJ990816_09.9B19.C3.o2.tm	Method	TBLASTX:Maize
Start	4752	End	6759
GI	none	Score	93
Exons	4752..4808, 4753..4809, 5959..6075, 5962..6075, 5967..6077, 5979..6077, 6530..6757, 6531..6758, 6532..6759		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41614	Strand	-

Start	19910	End	20062
Name	OJ990816_09.9B19.C3.o1.tm	Method	TBLASTX:Maize
Start	7026	End	8325
GI	none	Score	97
Exons	7026..7088, 7026..7088, 7469..7750, 7496..7723, 7498..7749, 7972..8325, 7983..8324		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41614	Strand	-
Start	19910	End	20062
Name	OJ990816_09.9B19.C3.o1.tc	Method	TBLASTX:Cress
Start	7652	End	8322
GI	none	Score	49
Exons	7652..7693, 7694..7750, 7981..8322, 7990..8217, 7991..8320, 7992..8321		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41614	Strand	-
Start	19910	End	20062
Name	OJ990816_09.9B19.C3.o1.ts	Method	TBLASTX:Soybean
Start	7679	End	8322
GI	none	Score	77
Exons	7679..7750, 7974..8315, 7981..8322, 7981..8217, 7992..8312		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41614	Strand	-
Start	19910	End	20062
Name	OJ990816_09.9B19.C3.o3.tm	Method	TBLASTX:Maize
Start	12500	End	12749
GI	none	Score	151
Exons	12500..12604, 12501..12605, 12502..12606, 12705..12749		

Seq. No.	19935	Seq. ID	OJ990816_09.9B19.C3
Gene No.	41614	Strand	-
Start	19910	End	20062
Name	OJ990816_09.9B19.C3.o4.gs	Method	GENSCAN
Start	19910	End	20062
GI	none	Score	1
Exons	19910..20062		

Seq. No.	19936	Seq. ID	OJ990816_09.9B19.C5
Gene No.	41615	Strand	+
Start	1048	End	1542
Name	OJ990816_09.9B19.C5.o1.gp	Method	AAT/GAP
Start	1048	End	1542
GI	576771	Score	797
Exons	1048..1304, 1331..1542		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	19936	Seq. ID	OJ990816_09.9B19.C5
Gene No.	41616	Strand	-
Start	1	End	9167
Name	OJ990816_09.9B19.C5.o2.np	Method	AAT/NAP
Start	1	End	9167
GI	1947160	Score	53
Exons	1..24, 2774..2918, 3461..3703, 4499..4571, 5458..5493,		

	9118..9167		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		
Seq. No.	19936	Seq. ID	OJ990816_09.9B19.C5
Gene No.	41616	Strand	-
Start	1	End	9167
Name	OJ990816_09.9B19.C5.o1.gs	Method	GENSCAN
Start	961	End	8170
GI	none	Score	.59
Exons	961..993, 1507..1554, 1732..1902, 2289..2331, 3794..3908, 3947..4109, 4431..4742, 6545..6879, 8122..8170		
Seq. No.	19936	Seq. ID	OJ990816_09.9B19.C5
Gene No.	41616	Strand	-
Start	1	End	9167
Name	OJ990816_09.9B19.C5.o1.np	Method	AAT/NAP
Start	1849	End	9167
GI	5042454	Score	173
Exons	1849..1909, 2295..2461, 9139..9167		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	19936	Seq. ID	OJ990816_09.9B19.C5
Gene No.	41616	Strand	-
Start	1	End	9167
Name	OJ990816_09.9B19.C5.o3.np	Method	AAT/NAP
Start	6632	End	9167
GI	6634722	Score	51
Exons	6632..6807, 9125..9167		
GI Descrip.	(AC012463) T2E6.5 [Arabidopsis thaliana]		
Seq. No.	19937	Seq. ID	OJ990816_09.9B19.C6
Gene No.	41617	Strand	-
Start	678	End	1054
Name	OJ990816_09.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	675	End	1001
GI	none	Score	147
Exons	675..716, 751..858, 753..854, 957..1001, 958..999		
Seq. No.	19937	Seq. ID	OJ990816_09.9B19.C6
Gene No.	41617	Strand	-
Start	678	End	1054
Name	OJ990816_09.9B19.C6.o1.gs	Method	GENSCAN
Start	678	End	1054
GI	none	Score	.84
Exons	678..1054		
Seq. No.	19938	Seq. ID	OJ990816_09.9B19.C7
Gene No.	41618	Strand	-
Start	1	End	3624
Name	OJ990816_09.9B19.C7.o1.gp	Method	AAT/GAP
Start	1	End	198
GI	LIB3434-053-P1-K1-C11	Score	368
Exons	1..198		
GI Descrip.	'3355466 1.0e-08 (AC004218) unknown protein [Arabidopsis thaliana]'		

Seq. No.	19938	Seq. ID	OJ990816_09.9B19.C7
Gene No.	41618	Strand	-
Start	1	End	3624
Name	OJ990816_09.9B19.C7.o1.np	Method	AAT/NAP
Start	1	End	386
GI	3355466	Score	172
Exons	1..386		
GI Descrip.	(AC004218) unknown protein [Arabidopsis thaliana]		

Seq. No.	19938	Seq. ID	OJ990816_09.9B19.C7
Gene No.	41618	Strand	-
Start	1	End	3624
Name	OJ990816_09.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	6	End	323
GI	none	Score	52
Exons	6..50, 48..98, 135..233, 264..323		

Seq. No.	19938	Seq. ID	OJ990816_09.9B19.C7
Gene No.	41618	Strand	-
Start	1	End	3624
Name	OJ990816_09.9B19.C7.o1.gs	Method	GENSCAN
Start	12	End	3624
GI	none	Score	.56
Exons	12..233, 299..430, 2757..2983, 3285..3624		

Seq. No.	19939	Seq. ID	OJ990816_09.9B19.C8
Gene No.	41619	Strand	+
Start	910	End	1477
Name	OJ990816_09.9B19.C8.o1.gp	Method	AAT/GAP
Start	910	End	1477
GI	none	Score	1082
Exons	910..1477		

Seq. No.	19939	Seq. ID	OJ990816_09.9B19.C8
Gene No.	41620	Strand	-
Start	462	End	2347
Name	OJ990816_09.9B19.C8.o1.gs	Method	GENSCAN
Start	462	End	2107
GI	none	Score	.71
Exons	462..665, 1801..1899, 1979..2107		

Seq. No.	19939	Seq. ID	OJ990816_09.9B19.C8
Gene No.	41620	Strand	-
Start	462	End	2347
Name	OJ990816_09.9B19.C8.o1.ts	Method	TBLASTX:Soybean
Start	1455	End	2120
GI	none	Score	108
Exons	1455..1514, 1769..1900, 1786..1914, 1979..2110, 1983..2108, 1985..2110, 2055..2120		

Seq. No.	19939	Seq. ID	OJ990816_09.9B19.C8
Gene No.	41620	Strand	-
Start	462	End	2347
Name	OJ990816_09.9B19.C8.o1.np	Method	AAT/NAP
Start	1461	End	2347
GI	6682235	Score	321
Exons	1461..1511, 1801..1899, 1979..2109, 2316..2347		

GI Descrip. (AC016661) unknown protein [Arabidopsis thaliana]

Seq. No.	19939	Seq. ID	OJ990816_09.9B19.C8
Gene No.	41620	Strand	-
Start	462	End	2347
Name	OJ990816_09.9B19.C8.o1.tm	Method	TBLASTX:Maize
Start	1793	End	2121
GI	none	Score	148
Exons	1793..1900, 1795..1914, 1798..1914, 1978..2121, 1979..2110		

Seq. No.	19939	Seq. ID	OJ990816_09.9B19.C8
Gene No.	41620	Strand	-
Start	462	End	2347
Name	OJ990816_09.9B19.C8.o1.tc	Method	TBLASTX:Cress
Start	1804	End	2117
GI	none	Score	48
Exons	1804..1875, 1817..1900, 1979..2080, 1979..2110, 1980..2117		

Seq. No.	19939	Seq. ID	OJ990816_09.9B19.C8
Gene No.	41620	Strand	-
Start	462	End	2347
Name	OJ990816_09.9B19.C8.o1.tw	Method	TBLASTX:Wheat
Start	2000	End	2120
GI	none	Score	146
Exons	2000..2110, 2012..2110, 2013..2120		

Seq. No.	19940	Seq. ID	OJ990816_09.9B19.C9
Gene No.	41621	Strand	+
Start	70	End	216
Name	OJ990816_09.9B19.C9.o1.gs	Method	GENSCAN
Start	70	End	216
GI	none	Score	.8
Exons	70..216		

Seq. No.	19941	Seq. ID	OJ990816_09.9B19.C10
Gene No.	41622	Strand	+
Start	1	End	755
Name	OJ990816_09.9B19.C10.o1.gp	Method	AAT/GAP
Start	1	End	755
GI	48077_1.R1084	Score	632
Exons	1..64, 150..287, 622..755		

GI Descrip. '3249066 1.0e-53 (AC004473) Similar to S. cerevisiae SIK1P protein gb_984964. ESTs gb_F15433 and gb_AA395158 come from this gene. [Arabidopsis thaliana]'

Seq. No.	19941	Seq. ID	OJ990816_09.9B19.C10
Gene No.	41622	Strand	+
Start	1	End	755
Name	OJ990816_09.9B19.C10.o1.np	Method	AAT/NAP
Start	1	End	755
GI	3249066	Score	283
Exons	1..64, 150..287, 622..755		

GI Descrip. (AC004473) Similar to S. cerevisiae SIK1P protein gb|984964. ESTs gb|F15433 and gb|AA395158 come from this gene. [Arabidopsis thaliana]

Seq. No.	19941	Seq. ID	OJ990816_09.9B19.C10

Gene No.	41622	Strand	+
Start	1	End	755
Name	OJ990816_09.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	2	End	755
GI	none	Score	97
Exons	2..64, 2..64, 3..65, 140..286, 151..288, 154..276, 192..302, 239..286, 595..753, 618..755, 618..755		

Seq. No.	19941	Seq. ID	OJ990816_09.9B19.C10
Gene No.	41622	Strand	+
Start	1	End	755
Name	OJ990816_09.9B19.C10.o1.gs	Method	GENSCAN
Start	150	End	646
GI	none	Score	.84
Exons	150..287, 622..646		

Seq. No.	19942	Seq. ID	OJ990816_09.9B19.C11
Gene No.	41623	Strand	+
Start	1	End	456
Name	OJ990816_09.9B19.C11.o1.np	Method	AAT/NAP
Start	1	End	257
GI	3249066	Score	80
Exons	1..42, 97..257		
GI Descrip.	(AC004473) Similar to S. cerevisiae SIK1P protein gb|984964. ESTs gb|F15433 and gb|AA395158 come from this gene. [Arabidopsis thaliana]		

Seq. No.	19942	Seq. ID	OJ990816_09.9B19.C11
Gene No.	41623	Strand	+
Start	1	End	456
Name	OJ990816_09.9B19.C11.o1.gp	Method	AAT/GAP
Start	130	End	456
GI	16547_1.R1084	Score	594
Exons	130..456		
GI Descrip.	'3249066 3.0e-40 (AC004473) Similar to S. cerevisiae SIK1P protein gb_984964. ESTs gb_F15433 and gb_AA395158 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	19942	Seq. ID	OJ990816_09.9B19.C11
Gene No.	41623	Strand	+
Start	1	End	456
Name	OJ990816_09.9B19.C11.o1.gs	Method	GENSCAN
Start	153	End	260
GI	none	Score	.48
Exons	153..260		

Seq. No.	19943	Seq. ID	OJ990816_09.9B19.C12
Gene No.	41624	Strand	+
Start	203	End	891
Name	OJ990816_09.9B19.C12.o1.gs	Method	GENSCAN
Start	203	End	891
GI	none	Score	.51
Exons	203..481, 841..891		

Seq. No.	19944	Seq. ID	OJ990816_09.9B19.C13
Gene No.	41625	Strand	+
Start	186	End	589

Name	OJ990816_09.9B19.C13.o1.gp	Method	AAT/GAP
Start	186	End	589
GI	3758977	Score	752
Exons	186..589		

Seq. No.	19945	Seq. ID	OJ990816_09.9B19.C16
Gene No.	41626	Strand	+
Start	120	End	462
Name	OJ990816_09.9B19.C16.o1.gs	Method	GENSCAN
Start	120	End	462
GI	none	Score	.63
Exons	120..328, 419..462		

Seq. No.	19946	Seq. ID	OJ990816_09.9B19.C17
Gene No.	41627	Strand	-
Start	1	End	1157
Name	OJ990816_09.9B19.C17.o1.np	Method	AAT/NAP
Start	1	End	1157
GI	3193330	Score	75
Exons	1..213, 888..1157		
GI Descrip.	(AF069299) contains similarity to Medicago sativa corC (GB:L22305) [Arabidopsis thaliana]		

Seq. No.	19946	Seq. ID	OJ990816_09.9B19.C17
Gene No.	41627	Strand	-
Start	1	End	1157
Name	OJ990816_09.9B19.C17.o1.gs	Method	GENSCAN
Start	100	End	1064
GI	none	Score	.7
Exons	100..177, 768..815, 888..1064		

Seq. No.	19947	Seq. ID	OJ990816_09.9B19.C18
Gene No.	41628	Strand	+
Start	83	End	687
Name	OJ990816_09.9B19.C18.o1.gs	Method	GENSCAN
Start	83	End	687
GI	none	Score	.65
Exons	83..183, 576..687		

Seq. No.	19948	Seq. ID	OJ990816_09.9B19.C20
Gene No.	41629	Strand	-
Start	422	End	535
Name	OJ990816_09.9B19.C20.o1.gs	Method	GENSCAN
Start	422	End	535
GI	none	Score	.66
Exons	422..535		

Seq. No.	19949	Seq. ID	OJ990816_09.9B19.C21
Gene No.	41630	Strand	+
Start	279	End	841
Name	OJ990816_09.9B19.C21.o1.gs	Method	GENSCAN
Start	279	End	841
GI	none	Score	.8
Exons	279..428, 526..661, 762..841		

Seq. No.	19950	Seq. ID	OJ990816_09.9B19.C23
Gene No.	41631	Strand	-

Start	1	End	549
Name	OJ990816_09.9B19.C23.o1.np	Method	AAT/NAP
Start	1	End	549
GI	2979554	Score	207
Exons	1..326, 357..549		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	19950	Seq. ID	OJ990816_09.9B19.C23
Gene No.	41631	Strand	-
Start	1	End	549
Name	OJ990816_09.9B19.C23.o1.gs	Method	GENSCAN
Start	26	End	471
GI	none	Score	.86
Exons	26..471		

Seq. No.	19951	Seq. ID	OJ990816_09.9B19.C24
Gene No.	41632	Strand	+
Start	386	End	579
Name	OJ990816_09.9B19.C24.o1.gs	Method	GENSCAN
Start	386	End	579
GI	none	Score	.9
Exons	386..449, 479..579		

Seq. No.	19952	Seq. ID	OJ990816_09.9B19.C26
Gene No.	41633	Strand	-
Start	329	End	444
Name	OJ990816_09.9B19.C26.o1.gp	Method	AAT/GAP
Start	329	End	444
GI	none	Score	211
Exons	329..444		

Seq. No.	19953	Seq. ID	OJ990816_09.9B19.C27
Gene No.	41634	Strand	+
Start	63	End	454
Name	OJ990816_09.9B19.C27.o1.gs	Method	GENSCAN
Start	63	End	454
GI	none	Score	.74
Exons	63..149, 167..454		

Seq. No.	19954	Seq. ID	OJ990816_09.9B19.C28
Gene No.	41635	Strand	+
Start	248	End	290
Name	OJ990816_09.9B19.C28.o1.gs	Method	GENSCAN
Start	248	End	290
GI	none	Score	.9
Exons	248..290		

Seq. No.	19955	Seq. ID	OJ990816_09.9B19.C30
Gene No.	41636	Strand	+
Start	58	End	322
Name	OJ990816_09.9B19.C30.o1.gs	Method	GENSCAN
Start	58	End	322
GI	none	Score	.86
Exons	58..322		

Seq. No.	19956	Seq. ID	OJ990816_09.9B19.C35
Gene No.	41637	Strand	-

Start	25	End	1350
Name	OJ990816_09.9B19.C35.o1.tm	Method	TBLASTX:Maize
Start	4	End	1350
GI	none	Score	178
Exons	4..183, 4..468, 5..469, 323..505, 449..625, 451..903, 451..1080, 452..916, 995..1081, 995..1093, 1003..1110, 1138..1221, 1139..1228, 1258..1350, 1262..1303, 1297..1344		

Seq. No.	19956	Seq. ID	OJ990816_09.9B19.C35
Gene No.	41637	Strand	-
Start	25	End	1350
Name	OJ990816_09.9B19.C35.o1.ts	Method	TBLASTX:Soybean
Start	22	End	1078
GI	none	Score	84
Exons	22..225, 29..226, 220..453, 235..465, 554..688, 703..783, 719..775, 757..915, 809..886, 976..1071, 995..1078, 995..1075		

Seq. No.	19956	Seq. ID	OJ990816_09.9B19.C35
Gene No.	41637	Strand	-
Start	25	End	1350
Name	OJ990816_09.9B19.C35.o2.tc	Method	TBLASTX:Cress
Start	22	End	468
GI	none	Score	64
Exons	22..234, 29..235, 229..291, 412..468		

Seq. No.	19956	Seq. ID	OJ990816_09.9B19.C35
Gene No.	41637	Strand	-
Start	25	End	1350
Name	OJ990816_09.9B19.C35.o1.gs	Method	GENSCAN
Start	25	End	1149
GI	none	Score	.5
Exons	25..1149		

Seq. No.	19956	Seq. ID	OJ990816_09.9B19.C35
Gene No.	41637	Strand	-
Start	25	End	1350
Name	OJ990816_09.9B19.C35.o1.np	Method	AAT/NAP
Start	28	End	810
GI	4056615	Score	1055
Exons	28..810		
GI Descrip.	(AF067401) Scl1 protein [Oryza sativa]		

Seq. No.	19956	Seq. ID	OJ990816_09.9B19.C35
Gene No.	41637	Strand	-
Start	25	End	1350
Name	OJ990816_09.9B19.C35.o1.tc	Method	TBLASTX:Cress
Start	553	End	915
GI	none	Score	63
Exons	553..681, 593..673, 688..783, 713..775, 811..915, 812..886		

Seq. No.	19957	Seq. ID	OJ990816_09.9B19.C36
Gene No.	41638	Strand	+
Start	275	End	575
Name	OJ990816_09.9B19.C36.o1.gs	Method	GENSCAN
Start	275	End	575
GI	none	Score	.42
Exons	275..299, 319..575		

Seq. No.	19958	Seq. ID	OJ990816_09.9B19.C38
Gene No.	41639	Strand	+
Start	314	End	481
Name	OJ990816_09.9B19.C38.o1.gs	Method	GENSCAN
Start	314	End	481
GI	none	Score	.92
Exons	314..481		

Seq. No.	19959	Seq. ID	OJ990816_09.9B19.C39
Gene No.	41640	Strand	+
Start	49	End	457
Name	OJ990816_09.9B19.C39.o1.gs	Method	GENSCAN
Start	49	End	457
GI	none	Score	.6
Exons	49..457		

Seq. No.	19960	Seq. ID	OJ990816_09.9B19.C40
Gene No.	41641	Strand	-
Start	1	End	341
Name	OJ990816_09.9B19.C40.o1.gp	Method	AAT/GAP
Start	1	End	275
GI	426638	Score	520
Exons	1..275		

Seq. No.	19960	Seq. ID	OJ990816_09.9B19.C40
Gene No.	41641	Strand	-
Start	1	End	341
Name	OJ990816_09.9B19.C40.o1.gs	Method	GENSCAN
Start	40	End	341
GI	none	Score	.88
Exons	40..132, 301..341		

Seq. No.	19961	Seq. ID	OJ990816_09.9B19.C41
Gene No.	41642	Strand	+
Start	1121	End	1651
Name	OJ990816_09.9B19.C41.o1.gs	Method	GENSCAN
Start	1121	End	1651
GI	none	Score	.75
Exons	1121..1212, 1408..1651		

Seq. No.	19961	Seq. ID	OJ990816_09.9B19.C41
Gene No.	41643	Strand	-
Start	2490	End	3403
Name	OJ990816_09.9B19.C41.o2.gs	Method	GENSCAN
Start	2490	End	3403
GI	none	Score	.84
Exons	2490..2591, 2898..2987, 3046..3094, 3312..3403		

Seq. No.	19962	Seq. ID	OJ990816_09.9B19.C42
Gene No.	41644	Strand	+
Start	2286	End	2756
Name	OJ990816_09.9B19.C42.o1.gp	Method	AAT/GAP
Start	2187	End	2756
GI	666_15.R1084	Score	901
Exons	2187..2756		
GI Descrip.	'122106/sp|P02308|H4_WHEAT 8.0e-40 HISTONE H4		

>gi_70771_pir__HSZM4 histone H4 - maize >gi_81642_pir__S06904 histone H4 - Arabidopsis thaliana >gi_2119028_pir__S60475 histone H4 - garden pea >gi_21795_emb_CAA24924_ (X00043) histone H4 [Triticum aestivum] >gi_166740 (M17132) histone H4 [Arabidopsis thaliana] >gi_166742 (M17133) histone H4 [Arabidopsis thaliana] >gi_168499 (M36659) histo'

Seq. No.	19962	Seq. ID	OJ990816_09.9B19.C42
Gene No.	41644	Strand	+
Start	2286	End	2756
Name	OJ990816_09.9B19.C42.o1.np	Method	AAT/NAP
Start	2240	End	2594
GI	1326372	Score	516
Exons	2240..2594		
GI Descrip.	(U58750) Similar to Histone. [Caenorhabditis elegans]		

Seq. No.	19962	Seq. ID	OJ990816_09.9B19.C42
Gene No.	41644	Strand	+
Start	2286	End	2756
Name	OJ990816_09.9B19.C42.o1.gs	Method	GENSCAN
Start	2286	End	2597
GI	none	Score	.58
Exons	2286..2597		

Seq. No.	19962	Seq. ID	OJ990816_09.9B19.C42
Gene No.	41645	Strand	-
Start	3099	End	3286
Name	OJ990816_09.9B19.C42.o1.tm	Method	TBLASTX:Maize
Start	2283	End	2645
GI	none	Score	219
Exons	2283..2450, 2339..2470, 2348..2644, 2349..2645		

Seq. No.	19962	Seq. ID	OJ990816_09.9B19.C42
Gene No.	41645	Strand	-
Start	3099	End	3286
Name	OJ990816_09.9B19.C42.o1.tw	Method	TBLASTX:Wheat
Start	2286	End	2617
GI	none	Score	201
Exons	2286..2450, 2342..2470, 2345..2596, 2349..2594, 2522..2617		

Seq. No.	19962	Seq. ID	OJ990816_09.9B19.C42
Gene No.	41645	Strand	-
Start	3099	End	3286
Name	OJ990816_09.9B19.C42.o1.tc	Method	TBLASTX:Cress
Start	2337	End	2596
GI	none	Score	87
Exons	2337..2447, 2345..2470, 2345..2593, 2349..2594, 2540..2596		

Seq. No.	19962	Seq. ID	OJ990816_09.9B19.C42
Gene No.	41645	Strand	-
Start	3099	End	3286
Name	OJ990816_09.9B19.C42.o1.ts	Method	TBLASTX:Soybean
Start	2339	End	2599
GI	none	Score	125
Exons	2339..2470, 2340..2447, 2348..2593, 2349..2594, 2522..2599		

Seq. No.	19962	Seq. ID	OJ990816_09.9B19.C42

Gene No.	41645	Strand	-
Start	3099	End	3286
Name	OJ990816_09.9B19.C42.o2.gs	Method	GENSCAN
Start	3099	End	3286
GI	none	Score	.9
Exons	3099..3286		

Seq. No.	19963	Seq. ID	OJ990816_09.9B19.C43
Gene No.	41646	Strand	+
Start	348	End	9282
Name	OJ990816_09.9B19.C43.o1.gs	Method	GENSCAN
Start	348	End	9194
GI	none	Score	.86
Exons	348..465, 586..658, 1963..2003, 2172..2257, 2911..3729, 4301..4381, 4574..4720, 5044..5142, 5421..5524, 6208..6373, 6583..7017, 7142..7282, 7505..7564, 8528..8658, 8745..8878, 8989..9194		

Seq. No.	19963	Seq. ID	OJ990816_09.9B19.C43
Gene No.	41646	Strand	+
Start	348	End	9282
Name	OJ990816_09.9B19.C43.o1.gp	Method	AAT/GAP
Start	2029	End	2331
GI	426638	Score	591
Exons	2029..2331		

Seq. No.	19963	Seq. ID	OJ990816_09.9B19.C43
Gene No.	41646	Strand	+
Start	348	End	9282
Name	OJ990816_09.9B19.C43.o1.np	Method	AAT/NAP
Start	2926	End	9282
GI	3402673	Score	1212
Exons	2926..3729, 4339..4773, 5051..5142, 5421..5563, 6253..6407, 6550..7017, 7142..7282, 7505..7564, 8528..8658, 8745..8878, 8989..9282		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	19963	Seq. ID	OJ990816_09.9B19.C43
Gene No.	41646	Strand	+
Start	348	End	9282
Name	OJ990816_09.9B19.C43.o1.ts	Method	TBLASTX:Soybean
Start	6624	End	9094
GI	none	Score	114
Exons	6624..6788, 6625..6747, 6894..7022, 6898..7020, 7141..7284, 7142..7297, 7142..7285, 7493..7564, 8524..8658, 8525..8659, 8527..8658, 8742..8876, 8743..8877, 8744..8878, 8970..9092, 8975..9094		

Seq. No.	19963	Seq. ID	OJ990816_09.9B19.C43
Gene No.	41646	Strand	+
Start	348	End	9282
Name	OJ990816_09.9B19.C43.o2.tm	Method	TBLASTX:Maize
Start	6831	End	7231
GI	none	Score	49
Exons	6831..6908, 6880..7020, 6900..7022, 6910..7020, 6914..7021, 7139..7231, 7144..7230		

Seq. No.	19963	Seq. ID	OJ990816_09.9B19.C43
Gene No.	41646	Strand	+
Start	348	End	9282
Name	OJ990816_09.9B19.C43.o1.tm	Method	TBLASTX:Maize
Start	8604	End	9193
GI	none	Score	86
Exons	8604..8657, 8604..8660, 8608..8679, 8736..8876, 8738..8851, 8744..8878, 8746..8874, 8944..9000, 8970..9104, 8981..9103, 9104..9193, 9114..9188, 9115..9189		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41647	Strand	+
Start	357	End	449
Name	OJ990816_09.9B19.C44.o1.np	Method	AAT/NAP
Start	357	End	449
GI	3402673	Score	89
Exons	357..449		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41648	Strand	+
Start	8725	End	11241
Name	OJ990816_09.9B19.C44.o3.gs	Method	GENSCAN
Start	8725	End	11241
GI	none	Score	.68
Exons	8725..8902, 10081..10186, 10253..10445, 10619..10797, 10948..11127, 11235..11241		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41649	Strand	+
Start	13073	End	15731
Name	OJ990816_09.9B19.C44.o3.np	Method	AAT/NAP
Start	13073	End	15731
GI	6682235	Score	825
Exons	13073..14042, 14241..14684, 15151..15731		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41649	Strand	+
Start	13073	End	15731
Name	OJ990816_09.9B19.C44.o4.gs	Method	GENSCAN
Start	13073	End	15731
GI	none	Score	.88
Exons	13073..15068, 15553..15731		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41649	Strand	+
Start	13073	End	15731
Name	OJ990816_09.9B19.C44.o1.gp	Method	AAT/GAP
Start	14423	End	15430
GI	31011_1.R1084	Score	1777
Exons	14423..15068, 15151..15430		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41650	Strand	-

Start	2085	End	3845
Name	OJ990816_09.9B19.C44.o1.gs	Method	GENSCAN
Start	2085	End	3845
GI	none	Score	.75
Exons	2085..2281, 2440..2695, 3129..3225, 3840..3845		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41651	Strand	-
Start	5777	End	7152
Name	OJ990816_09.9B19.C44.o1.tw	Method	TBLASTX:Wheat
Start	5769	End	6061
GI	none	Score	121
Exons	5769..6059, 5840..6061		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41651	Strand	-
Start	5777	End	7152
Name	OJ990816_09.9B19.C44.o1.tm	Method	TBLASTX:Maize
Start	5775	End	6509
GI	none	Score	410
Exons	5775..6509, 5840..6499		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41651	Strand	-
Start	5777	End	7152
Name	OJ990816_09.9B19.C44.o2.gs	Method	GENSCAN
Start	5777	End	7152
GI	none	Score	.68
Exons	5777..6791, 6845..7152		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41651	Strand	-
Start	5777	End	7152
Name	OJ990816_09.9B19.C44.o2.np	Method	AAT/NAP
Start	5780	End	7143
GI	6682236	Score	1312
Exons	5780..6820, 6874..7143		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41651	Strand	-
Start	5777	End	7152
Name	OJ990816_09.9B19.C44.o1.ts	Method	TBLASTX:Soybean
Start	5862	End	7074
GI	none	Score	387
Exons	5862..6503, 5864..6499, 6614..6667, 6683..6721, 6955..7074		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41651	Strand	-
Start	5777	End	7152
Name	OJ990816_09.9B19.C44.o1.tc	Method	TBLASTX:Cress
Start	5942	End	6295
GI	none	Score	185
Exons	5942..6295, 5951..6280, 5955..6293		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41651	Strand	-

Start	5777	End	7152
Name	OJ990816_09.9B19.C44.o2.tm	Method	TBLASTX:Maize
Start	6584	End	6916
GI	none	Score	202
Exons	6584..6793, 6585..6794, 6788..6862, 6875..6916		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41651	Strand	-
Start	5777	End	7152
Name	OJ990816_09.9B19.C44.o2.tc	Method	TBLASTX:Cress
Start	6692	End	7074
GI	none	Score	62
Exons	6692..6742, 6755..6823, 6874..6963, 6893..6964, 6937..7074, 6989..7072		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41652	Strand	
Start	13175	End	13359
Name	OJ990816_09.9B19.C44.o3.ts	Method	TBLASTX:Soybean
Start	13175	End	13359
GI	none	Score	243
Exons	13175..13345, 13177..13359		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41653	Strand	
Start	13528	End	13681
Name	OJ990816_09.9B19.C44.o4.tm	Method	TBLASTX:Maize
Start	13528	End	13681
GI	none	Score	189
Exons	13528..13644, 13529..13681		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41654	Strand	
Start	15149	End	15746
Name	OJ990816_09.9B19.C44.o2.ts	Method	TBLASTX:Soybean
Start	15149	End	15695
GI	none	Score	232
Exons	15149..15454, 15150..15464, 15431..15535, 15432..15491, 15575..15694, 15576..15695		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41654	Strand	
Start	15149	End	15746
Name	OJ990816_09.9B19.C44.o3.tm	Method	TBLASTX:Maize
Start	15312	End	15585
GI	none	Score	132
Exons	15312..15434, 15317..15433, 15323..15433, 15405..15584, 15406..15585, 15432..15572		

Seq. No.	19964	Seq. ID	OJ990816_09.9B19.C44
Gene No.	41654	Strand	
Start	15149	End	15746
Name	OJ990816_09.9B19.C44.o3.tc	Method	TBLASTX:Cress
Start	15573	End	15746
GI	none	Score	184
Exons	15573..15746, 15605..15739		

Seq. No.	19965	Seq. ID	OJ990816_09.9B19.C45
Gene No.	41655	Strand	+
Start	1	End	906
Name	OJ990816_09.9B19.C45.o1.np	Method	AAT/NAP
Start	1	End	889
GI	6682235	Score	285
Exons	1..26, 390..474, 582..668, 817..889		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	19965	Seq. ID	OJ990816_09.9B19.C45
Gene No.	41655	Strand	+
Start	1	End	906
Name	OJ990816_09.9B19.C45.o1.tm	Method	TBLASTX:Maize
Start	351	End	905
GI	none	Score	140
Exons	351..476, 388..474, 562..633, 813..905, 814..888, 815..892	567..668, 569..670, 795..884,	

Seq. No.	19965	Seq. ID	OJ990816_09.9B19.C45
Gene No.	41655	Strand	+
Start	1	End	906
Name	OJ990816_09.9B19.C45.o1.tw	Method	TBLASTX:Wheat
Start	363	End	906
GI	none	Score	139
Exons	363..476, 391..474, 567..668, 813..905, 814..888, 814..906	569..670, 580..669, 795..884,	

Seq. No.	19965	Seq. ID	OJ990816_09.9B19.C45
Gene No.	41655	Strand	+
Start	1	End	906
Name	OJ990816_09.9B19.C45.o1.ts	Method	TBLASTX:Soybean
Start	384	End	878
GI	none	Score	93
Exons	384..467, 384..476, 388..474, 793..876, 813..878	579..668, 581..670, 581..670,	

Seq. No.	19965	Seq. ID	OJ990816_09.9B19.C45
Gene No.	41655	Strand	+
Start	1	End	906
Name	OJ990816_09.9B19.C45.o1.gs	Method	GENSCAN
Start	412	End	889
GI	none	Score	.91
Exons	412..474, 582..668, 817..889		

Seq. No.	19966	Seq. ID	OJ990816_09.9B19.C49
Gene No.	41656	Strand	+
Start	1	End	242
Name	OJ990816_09.9B19.C49.o1.np	Method	AAT/NAP
Start	1	End	242
GI	2944178	Score	86
Exons	1..91, 195..242		
GI Descrip.	(AF007778) trehalose-6-phosphate phosphatase [Arabidopsis thaliana]		

Seq. No.	19966	Seq. ID	OJ990816_09.9B19.C49
Gene No.	41657	Strand	-
Start	555	End	602

Name	OJ990816_09.9B19.C49.o1.gs	Method	GENSCAN
Start	555	End	602
GI	none	Score	.68
Exons	555..602		

Seq. No.	19967	Seq. ID	OJ990916_08.9B15.C1
Gene No.	41658	Strand	+
Start	1	End	733
Name	OJ990916_08.9B15.C1.o1.np	Method	AAT/NAP
Start	1	End	733
GI	5091513	Score	966
Exons	1..733		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19967	Seq. ID	OJ990916_08.9B15.C1
Gene No.	41658	Strand	+
Start	1	End	733
Name	OJ990916_08.9B15.C1.o1.gs	Method	GENSCAN
Start	87	End	718
GI	none	Score	.82
Exons	87..718		

Seq. No.	19968	Seq. ID	OJ990916_08.9B15.C2
Gene No.	41659	Strand	+
Start	133	End	302
Name	OJ990916_08.9B15.C2.o1.gs	Method	GENSCAN
Start	133	End	302
GI	none	Score	.42
Exons	133..302		

Seq. No.	19968	Seq. ID	OJ990916_08.9B15.C2
Gene No.	41660	Strand	-
Start	1	End	326
Name	OJ990916_08.9B15.C2.o1.np	Method	AAT/NAP
Start	1	End	326
GI	5852180	Score	274
Exons	1..157, 209..326		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19969	Seq. ID	OJ990916_08.9B15.C3
Gene No.	41661	Strand	-
Start	470	End	555
Name	OJ990916_08.9B15.C3.o1.gs	Method	GENSCAN
Start	470	End	555
GI	none	Score	1
Exons	470..555		

Seq. No.	19970	Seq. ID	OJ990916_08.9B15.C4
Gene No.	41662	Strand	-
Start	1	End	742
Name	OJ990916_08.9B15.C4.o1.np	Method	AAT/NAP
Start	1	End	742
GI	4680203	Score	485
Exons	1..742		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19970	Seq. ID	OJ990916_08.9B15.C4

Gene No.	41662	Strand	-
Start	1	End	742
Name	OJ990916_08.9B15.C4.o1.tc	Method	TBLASTX:Cress
Start	1	End	225
GI	none	Score	47
Exons	1..51, 3..224, 88..225		

Seq. No.	19970	Seq. ID	OJ990916_08.9B15.C4
Gene No.	41662	Strand	-
Start	1	End	742
Name	OJ990916_08.9B15.C4.o1.tw	Method	TBLASTX:Wheat
Start	9	End	503
GI	none	Score	50
Exons	9..116, 120..224, 130..225, 271..432, 273..503		

Seq. No.	19970	Seq. ID	OJ990916_08.9B15.C4
Gene No.	41662	Strand	-
Start	1	End	742
Name	OJ990916_08.9B15.C4.o1.gs	Method	GENSCAN
Start	245	End	320
GI	none	Score	.54
Exons	245..320		

Seq. No.	19970	Seq. ID	OJ990916_08.9B15.C4
Gene No.	41662	Strand	-
Start	1	End	742
Name	OJ990916_08.9B15.C4.o1.ts	Method	TBLASTX:Soybean
Start	254	End	503
GI	none	Score	72
Exons	254..487, 255..488, 268..492, 273..503, 280..501		

Seq. No.	19971	Seq. ID	OJ990916_08.9B15.C5
Gene No.	41663	Strand	+
Start	1	End	69
Name	OJ990916_08.9B15.C5.o1.np	Method	AAT/NAP
Start	1	End	69
GI	6063554	Score	98
Exons	1..69		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19971	Seq. ID	OJ990916_08.9B15.C5
Gene No.	41664	Strand	+
Start	1220	End	3783
Name	OJ990916_08.9B15.C5.o1.gs	Method	GENSCAN
Start	1220	End	3491
GI	none	Score	.69
Exons	1220..1884, 2513..3098, 3117..3491		

Seq. No.	19971	Seq. ID	OJ990916_08.9B15.C5
Gene No.	41664	Strand	+
Start	1220	End	3783
Name	OJ990916_08.9B15.C5.o2.np	Method	AAT/NAP
Start	1220	End	2005
GI	4512231	Score	1077
Exons	1220..2005		

GI Descrip. (AB014741) ORF0 protein [Oryza sativa]

Seq. No.	19971	Seq. ID	OJ990916_08.9B15.C5
Gene No.	41664	Strand	+
Start	1220	End	3783
Name	OJ990916_08.9B15.C5.o3.np	Method	AAT/NAP
Start	2240	End	3783
GI	4680179	Score	1278
Exons	2240..3284, 3312..3783		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19971	Seq. ID	OJ990916_08.9B15.C5
Gene No.	41664	Strand	+
Start	1220	End	3783
Name	OJ990916_08.9B15.C5.o3.tw	Method	TBLASTX:Wheat
Start	2456	End	2654
GI	none	Score	212
Exons	2456..2653, 2457..2654		

Seq. No.	19971	Seq. ID	OJ990916_08.9B15.C5
Gene No.	41664	Strand	+
Start	1220	End	3783
Name	OJ990916_08.9B15.C5.o1.tm	Method	TBLASTX:Maize
Start	2706	End	3044
GI	none	Score	246
Exons	2706..3044, 2706..2915		

Seq. No.	19971	Seq. ID	OJ990916_08.9B15.C5
Gene No.	41664	Strand	+
Start	1220	End	3783
Name	OJ990916_08.9B15.C5.o1.tw	Method	TBLASTX:Wheat
Start	2706	End	3056
GI	none	Score	308
Exons	2706..3056		

Seq. No.	19971	Seq. ID	OJ990916_08.9B15.C5
Gene No.	41664	Strand	+
Start	1220	End	3783
Name	OJ990916_08.9B15.C5.o2.tw	Method	TBLASTX:Wheat
Start	3390	End	3743
GI	none	Score	244
Exons	3390..3743		

Seq. No.	19972	Seq. ID	OJ990916_08.9B15.C6
Gene No.	41665	Strand	-
Start	1	End	1045
Name	OJ990916_08.9B15.C6.o1.np	Method	AAT/NAP
Start	1	End	1045
GI	5091513	Score	1189
Exons	1..29, 300..1045		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19972	Seq. ID	OJ990916_08.9B15.C6
Gene No.	41665	Strand	-
Start	1	End	1045
Name	OJ990916_08.9B15.C6.o1.gp	Method	AAT/GAP
Start	133	End	316

GI	uC-osflcyp053f07a1	Score	246
Exons	133..316		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	19972	Seq. ID	OJ990916_08.9B15.C6
Gene No.	41665	Strand	-
Start	1	End	1045
Name	OJ990916_08.9B15.C6.o1.gs	Method	GENSCAN
Start	347	End	962
GI	none	Score	.42
Exons	347..962		

Seq. No.	19973	Seq. ID	OJ990916_08.9B15.C7
Gene No.	41666	Strand	-
Start	1	End	1943
Name	OJ990916_08.9B15.C7.o1.np	Method	AAT/NAP
Start	1	End	1943
GI	5091513	Score	853
Exons	1..477, 1234..1507, 1886..1943		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19973	Seq. ID	OJ990916_08.9B15.C7
Gene No.	41666	Strand	-
Start	1	End	1943
Name	OJ990916_08.9B15.C7.o1.gp	Method	AAT/GAP
Start	1051	End	1234
GI	uC-osflcyp053f07a1	Score	246
Exons	1051..1234		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	19973	Seq. ID	OJ990916_08.9B15.C7
Gene No.	41667	Strand	-
Start	1961	End	2209
Name	OJ990916_08.9B15.C7.o2.gp	Method	AAT/GAP
Start	1961	End	2209
GI	3761181	Score	433
Exons	1961..2209		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19974	Seq. ID	OJ990916_08.9B15.C8
Gene No.	41668	Strand	+
Start	596	End	2544
Name	OJ990916_08.9B15.C8.o1.np	Method	AAT/NAP
Start	596	End	2544
GI	4680186	Score	244
Exons	596..620, 2323..2544		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19974	Seq. ID	OJ990916_08.9B15.C8
Gene No.	41668	Strand	+
Start	596	End	2544
Name	OJ990916_08.9B15.C8.o1.gs	Method	GENSCAN
Start	650	End	1534
GI	none	Score	.45

Exons	650..1534		
Seq. No.	19974	Seq. ID	OJ990916_08.9B15.C8
Gene No.	41669	Strand	-
Start	2091	End	2473
Name	OJ990916_08.9B15.C8.o1.gp	Method	AAT/GAP
Start	2091	End	2473
GI	uC-osflcyp033a04b1	Score	692
Exons	2091..2473		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41670	Strand	+
Start	219	End	449
Name	OJ990916_08.9B15.C9.o1.gs	Method	GENSCAN
Start	219	End	449
GI	none	Score	.99
Exons	219..449		
Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41671	Strand	+
Start	2032	End	7035
Name	OJ990916_08.9B15.C9.o2.gs	Method	GENSCAN
Start	2032	End	7011
GI	none	Score	.7
Exons	2032..2046, 2474..3268, 3756..3837, 3876..3904, 4128..7011		
Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41671	Strand	+
Start	2032	End	7035
Name	OJ990916_08.9B15.C9.o1.np	Method	AAT/NAP
Start	3102	End	7035
GI	4680179	Score	3172
Exons	3102..3159, 4171..5192, 5226..7035		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41672	Strand	-
Start	1332	End	1715
Name	OJ990916_08.9B15.C9.o1.gp	Method	AAT/GAP
Start	1332	End	1715
GI	uC-osflcyp033a04b1	Score	665
Exons	1332..1715		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41673	Strand	
Start	4207	End	4549
Name	OJ990916_08.9B15.C9.o6.tw	Method	TBLASTX:Wheat
Start	4207	End	4549
GI	none	Score	211
Exons	4207..4239, 4350..4547, 4352..4549		
Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41674	Strand	

Start	4583	End	4934
Name	OJ990916_08.9B15.C9.o4.tw	Method	TBLASTX:Wheat
Start	4583	End	4934
GI	none	Score	293
Exons	4583..4777, 4584..4934		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41674	Strand	
Start	4583	End	4934
Name	OJ990916_08.9B15.C9.o4.tm	Method	TBLASTX:Maize
Start	4584	End	4889
GI	none	Score	232
Exons	4584..4889, 4598..4762		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41675	Strand	
Start	5217	End	5675
Name	OJ990916_08.9B15.C9.o5.tm	Method	TBLASTX:Maize
Start	5217	End	5570
GI	none	Score	189
Exons	5217..5570		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41675	Strand	
Start	5217	End	5675
Name	OJ990916_08.9B15.C9.o5.tw	Method	TBLASTX:Wheat
Start	5253	End	5675
GI	none	Score	163
Exons	5253..5462, 5309..5461, 5507..5620, 5508..5675		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41676	Strand	
Start	5786	End	6659
Name	OJ990916_08.9B15.C9.o2.tw	Method	TBLASTX:Wheat
Start	5786	End	6272
GI	none	Score	549
Exons	5786..6229, 5790..6272		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41676	Strand	
Start	5786	End	6659
Name	OJ990916_08.9B15.C9.o3.tm	Method	TBLASTX:Maize
Start	5801	End	6091
GI	none	Score	327
Exons	5801..6091, 5802..6089		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41676	Strand	
Start	5786	End	6659
Name	OJ990916_08.9B15.C9.o3.ts	Method	TBLASTX:Soybean
Start	5826	End	6140
GI	none	Score	183
Exons	5826..6140		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41676	Strand	
Start	5786	End	6659

Name	OJ990916_08.9B15.C9.o1.tc	Method	TBLASTX:Cress
Start	5919	End	6236
GI	none	Score	183
Exons	5919..6236		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41676	Strand	-
Start	5786	End	6659
Name	OJ990916_08.9B15.C9.o2.tm	Method	TBLASTX:Maize
Start	6159	End	6659
GI	none	Score	167
Exons	6159..6338, 6167..6313, 6345..6659, 6410..6538, 6566..6616		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41676	Strand	
Start	5786	End	6659
Name	OJ990916_08.9B15.C9.o1.ts	Method	TBLASTX:Soybean
Start	6213	End	6608
GI	none	Score	57
Exons	6213..6245, 6215..6244, 6249..6608, 6251..6289, 6317..6607		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41676	Strand	
Start	5786	End	6659
Name	OJ990916_08.9B15.C9.o3.tw	Method	TBLASTX:Wheat
Start	6321	End	6623
GI	none	Score	381
Exons	6321..6623, 6322..6402, 6323..6607		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41677	Strand	
Start	6624	End	7031
Name	OJ990916_08.9B15.C9.o1.tw	Method	TBLASTX:Wheat
Start	6624	End	7031
GI	none	Score	575
Exons	6624..7031, 6656..7030		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41677	Strand	
Start	6624	End	7031
Name	OJ990916_08.9B15.C9.o2.ts	Method	TBLASTX:Soybean
Start	6630	End	6875
GI	none	Score	207
Exons	6630..6875, 6647..6874		

Seq. No.	19975	Seq. ID	OJ990916_08.9B15.C9
Gene No.	41677	Strand	
Start	6624	End	7031
Name	OJ990916_08.9B15.C9.o1.tm	Method	TBLASTX:Maize
Start	6695	End	7031
GI	none	Score	457
Exons	6695..7030, 6696..7031		

Seq. No.	19976	Seq. ID	OJ990916_08.9B15.C10
Gene No.	41678	Strand	-
Start	329	End	3725
Name	OJ990916_08.9B15.C10.o1.gs	Method	GENSCAN

Start	329	End	3611
GI	none	Score	.44
Exons	329..472, 1347..1475, 2571..3611		

Seq. No.	19976	Seq. ID	OJ990916_08.9B15.C10
Gene No.	41678	Strand	-
Start	329	End	3725
Name	OJ990916_08.9B15.C10.o1.np	Method	AAT/NAP
Start	2652	End	3725
GI	4680179	Score	583
Exons	2652..2889, 3052..3725		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19976	Seq. ID	OJ990916_08.9B15.C10
Gene No.	41678	Strand	-
Start	329	End	3725
Name	OJ990916_08.9B15.C10.o1.tw	Method	TBLASTX:Wheat
Start	3072	End	3428
GI	none	Score	100
Exons	3072..3428, 3138..3416		

Seq. No.	19976	Seq. ID	OJ990916_08.9B15.C10
Gene No.	41678	Strand	-
Start	329	End	3725
Name	OJ990916_08.9B15.C10.o1.tm	Method	TBLASTX:Maize
Start	3129	End	3428
GI	none	Score	75
Exons	3129..3428, 3325..3414		

Seq. No.	19976	Seq. ID	OJ990916_08.9B15.C10
Gene No.	41678	Strand	-
Start	329	End	3725
Name	OJ990916_08.9B15.C10.o2.tw	Method	TBLASTX:Wheat
Start	3438	End	3668
GI	none	Score	103
Exons	3438..3668, 3490..3666		

Seq. No.	19977	Seq. ID	OJ990916_08.9B15.C11
Gene No.	41679	Strand	+
Start	1	End	933
Name	OJ990916_08.9B15.C11.o1.np	Method	AAT/NAP
Start	1	End	933
GI	5091513	Score	710
Exons	1..35, 355..933		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19978	Seq. ID	OJ990916_08.9B15.C12
Gene No.	41680	Strand	+
Start	1	End	679
Name	OJ990916_08.9B15.C12.o1.np	Method	AAT/NAP
Start	1	End	679
GI	5091513	Score	795
Exons	1..679		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19978	Seq. ID	OJ990916_08.9B15.C12
Gene No.	41680	Strand	+

Start	1	End	679
Name	OJ990916_08.9B15.C12.o1.gs	Method	GENSCAN
Start	6	End	551
GI	none	Score	.9
Exons	6..551		

Seq. No.	19979	Seq. ID	OJ990916_08.9B15.C13
Gene No.	41681	Strand	+
Start	2928	End	3301
Name	OJ990916_08.9B15.C13.o2.gp	Method	AAT/GAP
Start	2928	End	3301
GI	uC-osflcyp033a04b1	Score	533
Exons	2928..3301		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19979	Seq. ID	OJ990916_08.9B15.C13
Gene No.	41682	Strand	+
Start	4562	End	5995
Name	OJ990916_08.9B15.C13.o2.gs	Method	GENSCAN
Start	4562	End	5995
GI	none	Score	.74
Exons	4562..5995		

Seq. No.	19979	Seq. ID	OJ990916_08.9B15.C13
Gene No.	41683	Strand	-
Start	1	End	6498
Name	OJ990916_08.9B15.C13.o1.np	Method	AAT/NAP
Start	1	End	6498
GI	5852180	Score	607
Exons	1..51, 814..890, 1595..2004, 2055..2173, 3162..3215, 6203..6498		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41684	Strand	+
Start	630	End	2169
Name	OJ990916_08.9B15.C14.o1.gs	Method	GENSCAN
Start	630	End	2169
GI	none	Score	.63
Exons	630..689, 913..2169		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41685	Strand	+
Start	3966	End	9308
Name	OJ990916_08.9B15.C14.o2.gs	Method	GENSCAN
Start	3966	End	9308
GI	none	Score	.47
Exons	3966..4110, 4693..5491, 7438..7466, 7684..8312, 8337..9308		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41685	Strand	+
Start	3966	End	9308
Name	OJ990916_08.9B15.C14.o1.gp	Method	AAT/GAP
Start	6612	End	6994
GI	uC-osflcyp033a04b1	Score	688
Exons	6612..6994		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41686	Strand	+
Start	9931	End	10972
Name	OJ990916_08.9B15.C14.o3.gs	Method	GENSCAN
Start	9931	End	10972
GI	none	Score	.8
Exons	9931..10608, 10865..10972		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41687	Strand	+
Start	11386	End	11771
Name	OJ990916_08.9B15.C14.o2.gp	Method	AAT/GAP
Start	11386	End	11771
GI	uC-osf1cyp033a04b1	Score	649
Exons	11386..11771		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o1.np	Method	AAT/NAP
Start	5232	End	19670
GI	4680179	Score	2440
Exons	5232..5293, 17978..19670		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o2.tw	Method	TBLASTX:Wheat
Start	7716	End	19004
GI	none	Score	648
Exons	7716..8294, 7727..8293, 18465..19004, 18469..18963		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o1.tc	Method	TBLASTX:Cress
Start	8001	End	18767
GI	none	Score	89
Exons	8001..8174, 8175..8318, 8177..8317, 18441..18584, 18585..18767		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o1.ts	Method	TBLASTX:Soybean
Start	8082	End	18677
GI	none	Score	289
Exons	8082..8342, 8087..8341, 8161..8343, 18417..18677, 18418..18666		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o3.tm	Method	TBLASTX:Maize

Start	8141	End	18618
GI	none	Score	370
Exons	8141..8428, 8142..8432, 18327..18617, 18331..18618, 18331..18618		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o1.tw	Method	TBLASTX:Wheat
Start	8301	End	18458
GI	none	Score	703
Exons	8301..8927, 8357..8815, 8802..8924, 17997..18458, 18019..18378		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o1.tm	Method	TBLASTX:Maize
Start	8481	End	18279
GI	none	Score	231
Exons	8481..8642, 8483..8635, 8639..9064, 8640..9080, 17997..18119, 18022..18120, 18117..18278, 18124..18279, 18136..18279		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o4.tw	Method	TBLASTX:Wheat
Start	8927	End	9260
GI	none	Score	324
Exons	8927..9196, 8928..9260, 8931..9239		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o4.gs	Method	GENSCAN
Start	12136	End	19505
GI	none	Score	.41
Exons	12136..12331, 12910..12938, 13009..13218, 13769..13905, 14486..14567, 15910..15998, 16864..16924, 17394..17484, 17499..17645, 17696..17886, 18030..18245, 18429..19012, 19298..19505		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o2.tm	Method	TBLASTX:Maize
Start	19032	End	19385
GI	none	Score	43
Exons	19032..19385, 19039..19071, 19117..19380		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o3.tw	Method	TBLASTX:Wheat
Start	19032	End	19457
GI	none	Score	238
Exons	19032..19382, 19032..19457, 19039..19455		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14

Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o3.ts	Method	TBLASTX:Soybean
Start	19203	End	19451
GI	none	Score	207
Exons	19203..19451		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o4.tm	Method	TBLASTX:Maize
Start	19392	End	19647
GI	none	Score	156
Exons	19392..19646, 19393..19647		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o5.tw	Method	TBLASTX:Wheat
Start	19458	End	19670
GI	none	Score	94
Exons	19458..19625, 19458..19670, 19459..19668		

Seq. No.	19980	Seq. ID	OJ990916_08.9B15.C14
Gene No.	41688	Strand	-
Start	5232	End	19670
Name	OJ990916_08.9B15.C14.o2.ts	Method	TBLASTX:Soybean
Start	19473	End	19670
GI	none	Score	129
Exons	19473..19670, 19483..19653		

Seq. No.	19981	Seq. ID	OJ990916_08.9B15.C15
Gene No.	41689	Strand	+
Start	2051	End	2811
Name	OJ990916_08.9B15.C15.o1.np	Method	AAT/NAP
Start	2051	End	2811
GI	6721561	Score	74
Exons	2051..2134, 2717..2811		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41690	Strand	+
Start	1	End	5759
Name	OJ990916_08.9B15.C16.o1.np	Method	AAT/NAP
Start	1	End	5759
GI	6691193	Score	747
Exons	1..52, 4746..5759		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41691	Strand	+
Start	10198	End	14803
Name	OJ990916_08.9B15.C16.o3.np	Method	AAT/NAP

Start	10198	End	14803
GI	6721512	Score	85
Exons	10198..10287, 13073..13213, 14766..14803		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41692	Strand	-
Start	7910	End	14388
Name	OJ990916_08.9B15.C16.o1.ts	Method	TBLASTX:Soybean
Start	4912	End	9753
GI	none	Score	81
Exons	4912..4953, 4913..4954, 4951..5265, 4952..5266, 9538..9699, 9718..9753		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41692	Strand	-
Start	7910	End	14388
Name	OJ990916_08.9B15.C16.o1.tw	Method	TBLASTX:Wheat
Start	4913	End	9753
GI	none	Score	305
Exons	4913..5314, 4916..5122, 4918..5322, 9514..9702, 9715..9753		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41692	Strand	-
Start	7910	End	14388
Name	OJ990916_08.9B15.C16.o1.tm	Method	TBLASTX:Maize
Start	4928	End	9840
GI	none	Score	48
Exons	4928..4966, 4955..5176, 9508..9840, 9509..9685, 9716..9772		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41692	Strand	-
Start	7910	End	14388
Name	OJ990916_08.9B15.C16.o2.ts	Method	TBLASTX:Soybean
Start	5309	End	5708
GI	none	Score	238
Exons	5309..5566, 5313..5567, 5576..5617, 5577..5666, 5652..5708		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41692	Strand	-
Start	7910	End	14388
Name	OJ990916_08.9B15.C16.o2.tw	Method	TBLASTX:Wheat
Start	5328	End	5570
GI	none	Score	228
Exons	5328..5570, 5330..5569		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41692	Strand	-
Start	7910	End	14388
Name	OJ990916_08.9B15.C16.o2.np	Method	AAT/NAP
Start	7910	End	10001
GI	4206306	Score	334
Exons	7910..7935, 9475..10001		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	19982	Seq. ID	OJ990916_08.9B15.C16
Gene No.	41692	Strand	-

Start	7910	End	14388
Name	OJ990916_08.9B15.C16.o2.gs	Method	GENSCAN
Start	9541	End	14388
GI	none	Score	.77
Exons	9541..9653, 9746..9973, 10078..10146, 10599..10866, 11010..11114, 11169..11234, 11687..11830, 14215..14388		

Seq. No.	19983	Seq. ID	OJ990916_08.9B15.C17
Gene No.	41693	Strand	+
Start	626	End	2896
Name	OJ990916_08.9B15.C17.o1.gs	Method	GENSCAN
Start	626	End	2896
GI	none	Score	.99
Exons	626..2896		

Seq. No.	19983	Seq. ID	OJ990916_08.9B15.C17
Gene No.	41694	Strand	-
Start	1	End	9635
Name	OJ990916_08.9B15.C17.o2.np	Method	AAT/NAP
Start	1	End	9635
GI	6539588	Score	105
Exons	1..34, 4148..4210, 9428..9635		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41695	Strand	+
Start	60	End	2475
Name	OJ990916_08.9B15.C18.o1.gs	Method	GENSCAN
Start	60	End	2475
GI	none	Score	.51
Exons	60..255, 1293..1345, 1553..1838, 1901..2338, 2390..2475		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41696	Strand	+
Start	22214	End	22591
Name	OJ990916_08.9B15.C18.o2.gp	Method	AAT/GAP
Start	22214	End	22591
GI	none	Score	587
Exons	22214..22591		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-
Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o2.np	Method	AAT/NAP
Start	3039	End	17582
GI	4680181	Score	220
Exons	3039..3058, 11121..11460, 11554..11815, 13178..13290, 17233..17582		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-
Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o2.gs	Method	GENSCAN
Start	5443	End	12555
GI	none	Score	.4
Exons	5443..5520, 5604..5625, 6093..6165, 6767..6972, 8720..8845,		

9411..9444, 11227..11877, 11907..12102, 12278..12359,
12365..12555

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-
Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o2.tm	Method	TBLASTX:Maize
Start	12311	End	12567
GI	none	Score	121
Exons	12311..12565, 12331..12567		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-
Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o1.tm	Method	TBLASTX:Maize
Start	12669	End	17454
GI	none	Score	140
Exons	12669..12746, 12813..12878, 17187..17363, 17192..17368, 17217..17369, 17296..17454, 17367..17429		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-
Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o1.gp	Method	AAT/GAP
Start	13431	End	13794
GI	5039029	Score	609
Exons	13431..13794		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-
Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o6.np	Method	AAT/NAP
Start	15265	End	24594
GI	1065941	Score	63
Exons	15265..15353, 24349..24474, 24569..24594		
GI Descrip.	(U40799) F42C5.7 gene product [Caenorhabditis elegans]		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-
Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o5.np	Method	AAT/NAP
Start	18486	End	20122
GI	6539588	Score	191
Exons	18486..18631, 19964..20122		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-
Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o3.np	Method	AAT/NAP
Start	18493	End	18708
GI	6539588	Score	79
Exons	18493..18558, 18603..18708		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	19984	Seq. ID	OJ990916_08.9B15.C18
Gene No.	41697	Strand	-

Start	3039	End	24594
Name	OJ990916_08.9B15.C18.o3.gp	Method	AAT/GAP
Start	23087	End	23553
GI	LIB3431-001-P1-N1-B5	Score	607
Exons	23087..23265, 23371..23553		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	19985	Seq. ID	OJ990916_08.9B15.C19
Gene No.	41698	Strand	+
Start	1425	End	3203
Name	OJ990916_08.9B15.C19.o1.np	Method	AAT/NAP
Start	1425	End	3203
GI	5852180	Score	546
Exons	1425..1477, 2460..2577, 2629..3049, 3176..3203		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19985	Seq. ID	OJ990916_08.9B15.C19
Gene No.	41699	Strand	-
Start	334	End	1707
Name	OJ990916_08.9B15.C19.o1.gp	Method	AAT/GAP
Start	196	End	383
GI	5002953	Score	272
Exons	196..383		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19985	Seq. ID	OJ990916_08.9B15.C19
Gene No.	41699	Strand	-
Start	334	End	1707
Name	OJ990916_08.9B15.C19.o1.gs	Method	GENSCAN
Start	334	End	1529
GI	none	Score	.92
Exons	334..620, 1454..1529		

Seq. No.	19985	Seq. ID	OJ990916_08.9B15.C19
Gene No.	41699	Strand	-
Start	334	End	1707
Name	OJ990916_08.9B15.C19.o2.gp	Method	AAT/GAP
Start	1326	End	1707
GI	uC-osf1cyp033a04b1	Score	675
Exons	1326..1707		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19985	Seq. ID	OJ990916_08.9B15.C19
Gene No.	41700	Strand	-
Start	2139	End	3024
Name	OJ990916_08.9B15.C19.o2.gs	Method	GENSCAN
Start	2139	End	3024
GI	none	Score	.49
Exons	2139..2224, 2542..2692, 2785..3024		

Seq. No.	19986	Seq. ID	OJ990916_08.9B15.C20
Gene No.	41701	Strand	-
Start	217	End	1704
Name	OJ990916_08.9B15.C20.o1.gs	Method	GENSCAN

Start	217	End	1539
GI	none	Score	.93
Exons	217..699, 733..1539		

Seq. No.	19986	Seq. ID	OJ990916_08.9B15.C20
Gene No.	41701	Strand	-
Start	217	End	1704
Name	OJ990916_08.9B15.C20.o1.tw	Method	TBLASTX:Wheat
Start	292	End	1290
GI	none	Score	39
Exons	292..333, 292..330, 337..384, 373..564, 404..529, 568..720, 665..754, 746..1060, 748..1290, 1133..1246		

Seq. No.	19986	Seq. ID	OJ990916_08.9B15.C20
Gene No.	41701	Strand	-
Start	217	End	1704
Name	OJ990916_08.9B15.C20.o1.np	Method	AAT/NAP
Start	458	End	1704
GI	6742729	Score	924
Exons	458..1704		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	19986	Seq. ID	OJ990916_08.9B15.C20
Gene No.	41701	Strand	-
Start	217	End	1704
Name	OJ990916_08.9B15.C20.o1.tc	Method	TBLASTX:Cress
Start	577	End	1003
GI	none	Score	58
Exons	577..720, 665..754, 746..1003, 748..999		

Seq. No.	19986	Seq. ID	OJ990916_08.9B15.C20
Gene No.	41701	Strand	-
Start	217	End	1704
Name	OJ990916_08.9B15.C20.o1.tm	Method	TBLASTX:Maize
Start	901	End	1386
GI	none	Score	86
Exons	901..1386, 908..1057, 988..1083, 1193..1369		

Seq. No.	19986	Seq. ID	OJ990916_08.9B15.C20
Gene No.	41701	Strand	-
Start	217	End	1704
Name	OJ990916_08.9B15.C20.o2.tw	Method	TBLASTX:Wheat
Start	1294	End	1644
GI	none	Score	58
Exons	1294..1377, 1295..1378, 1414..1644, 1415..1615		

Seq. No.	19986	Seq. ID	OJ990916_08.9B15.C20
Gene No.	41701	Strand	-
Start	217	End	1704
Name	OJ990916_08.9B15.C20.o2.tm	Method	TBLASTX:Maize
Start	1423	End	1638
GI	none	Score	92
Exons	1423..1485, 1492..1638, 1502..1609		

Seq. No.	19987	Seq. ID	OJ990916_07.9B22.C1
Gene No.	41702	Strand	+
Start	395	End	522

Name	OJ990916_07.9B22.C1.o1.gs	Method	GENSCAN
Start	395	End	522
GI	none	Score	.85
Exons	395..522		

Seq. No.	19987	Seq. ID	OJ990916_07.9B22.C1
Gene No.	41703	Strand	-
Start	1	End	673
Name	OJ990916_07.9B22.C1.o1.np	Method	AAT/NAP
Start	1	End	673
GI	6822056	Score	214
Exons	1..49, 132..220, 296..366, 454..673		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		

Seq. No.	19987	Seq. ID	OJ990916_07.9B22.C1
Gene No.	41703	Strand	-
Start	1	End	673
Name	OJ990916_07.9B22.C1.o1.tm	Method	TBLASTX:Maize
Start	22	End	353
GI	none	Score	40
Exons	22..51, 22..51, 132..221, 132..221, 134..238, 293..352, 297..353		

Seq. No.	19987	Seq. ID	OJ990916_07.9B22.C1
Gene No.	41703	Strand	-
Start	1	End	673
Name	OJ990916_07.9B22.C1.o1.ts	Method	TBLASTX:Soybean
Start	28	End	523
GI	none	Score	95
Exons	28..51, 133..216, 134..220, 134..220, 293..352, 297..353, 461..523, 476..517		

Seq. No.	19988	Seq. ID	OJ990916_07.9B22.C3
Gene No.	41704	Strand	-
Start	1	End	565
Name	OJ990916_07.9B22.C3.o1.np	Method	AAT/NAP
Start	1	End	565
GI	4895190	Score	127
Exons	1..19, 184..252, 328..446, 475..565		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	19988	Seq. ID	OJ990916_07.9B22.C3
Gene No.	41704	Strand	-
Start	1	End	565
Name	OJ990916_07.9B22.C3.o1.tm	Method	TBLASTX:Maize
Start	174	End	418
GI	none	Score	73
Exons	174..248, 188..253, 188..244, 220..252, 326..418, 328..414, 329..415		

Seq. No.	19988	Seq. ID	OJ990916_07.9B22.C3
Gene No.	41704	Strand	-
Start	1	End	565
Name	OJ990916_07.9B22.C3.o1.gs	Method	GENSCAN
Start	328	End	414
GI	none	Score	.57
Exons	328..414		

Seq. No.	19989	Seq. ID	OJ990916_07.9B22.C6
Gene No.	41705	Strand	+
Start	1	End	2272
Name	OJ990916_07.9B22.C6.o1.np	Method	AAT/NAP
Start	1	End	1991
GI	4895186	Score	1068
Exons	1..313, 419..895, 968..1162, 1937..1991		
GI Descrip.	(AC007661) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	19989	Seq. ID	OJ990916_07.9B22.C6
Gene No.	41705	Strand	+
Start	1	End	2272
Name	OJ990916_07.9B22.C6.o1.tm	Method	TBLASTX:Maize
Start	71	End	497
GI	none	Score	349
Exons	71..328, 81..323, 416..496, 417..497		

Seq. No.	19989	Seq. ID	OJ990916_07.9B22.C6
Gene No.	41705	Strand	+
Start	1	End	2272
Name	OJ990916_07.9B22.C6.o1.tc	Method	TBLASTX:Cress
Start	74	End	897
GI	none	Score	74
Exons	74..316, 90..323, 125..172, 227..328, 416..490, 417..488, 418..489, 540..896, 557..895, 735..896, 796..897		

Seq. No.	19989	Seq. ID	OJ990916_07.9B22.C6
Gene No.	41705	Strand	+
Start	1	End	2272
Name	OJ990916_07.9B22.C6.o1.ts	Method	TBLASTX:Soybean
Start	90	End	896
GI	none	Score	218
Exons	90..323, 90..308, 416..508, 417..896, 557..700, 734..895		

Seq. No.	19989	Seq. ID	OJ990916_07.9B22.C6
Gene No.	41705	Strand	+
Start	1	End	2272
Name	OJ990916_07.9B22.C6.o1.gs	Method	GENSCAN
Start	432	End	2272
GI	none	Score	.55
Exons	432..895, 968..1154, 1892..2272		

Seq. No.	19989	Seq. ID	OJ990916_07.9B22.C6
Gene No.	41705	Strand	+
Start	1	End	2272
Name	OJ990916_07.9B22.C6.o2.tm	Method	TBLASTX:Maize
Start	516	End	898
GI	none	Score	161
Exons	516..659, 554..676, 657..896, 728..898		

Seq. No.	19989	Seq. ID	OJ990916_07.9B22.C6
Gene No.	41705	Strand	+
Start	1	End	2272
Name	OJ990916_07.9B22.C6.o2.ts	Method	TBLASTX:Soybean
Start	966	End	1148
GI	none	Score	201

Exons	966..1130, 975..1148, 1037..1147		
Seq. No.	19989	Seq. ID	OJ990916_07.9B22.C6
Gene No.	41705	Strand	+
Start	1	End	2272
Name	OJ990916_07.9B22.C6.o3.tm	Method	TBLASTX:Maize
Start	966	End	1154
GI	none	Score	199
Exons	966..1154, 966..1100, 1025..1138		
Seq. No.	19990	Seq. ID	OJ990916_07.9B22.C7
Gene No.	41706	Strand	-
Start	166	End	738
Name	OJ990916_07.9B22.C7.o1.gs	Method	GENSCAN
Start	166	End	738
GI	none	Score	.68
Exons	166..311, 687..738		
Seq. No.	19990	Seq. ID	OJ990916_07.9B22.C7
Gene No.	41707	Strand	-
Start	1038	End	1911
Name	OJ990916_07.9B22.C7.o2.gs	Method	GENSCAN
Start	1038	End	1911
GI	none	Score	.86
Exons	1038..1171, 1223..1513, 1833..1911		
Seq. No.	19991	Seq. ID	OJ990916_07.9B22.C8
Gene No.	41708	Strand	+
Start	1	End	820
Name	OJ990916_07.9B22.C8.o1.np	Method	AAT/NAP
Start	1	End	820
GI	4388718	Score	69
Exons	1..72, 625..820		
GI Descrip.	(AC006413) putative Ty3-gypsy-like retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	19991	Seq. ID	OJ990916_07.9B22.C8
Gene No.	41708	Strand	+
Start	1	End	820
Name	OJ990916_07.9B22.C8.o1.gp	Method	AAT/GAP
Start	180	End	511
GI	2312654	Score	533
Exons	180..511		
Seq. No.	19991	Seq. ID	OJ990916_07.9B22.C8
Gene No.	41709	Strand	+
Start	5203	End	6263
Name	OJ990916_07.9B22.C8.o2.gp	Method	AAT/GAP
Start	5203	End	6263
GI	14962_1.R1084	Score	984
Exons	5203..5346, 5865..6263		
GI Descrip.	'3861402/emb|CAA15301| 5.0e-12 (AJ235273) 50S RIBOSOMAL PROTEIN L33 (rpmG) [Rickettsia prowazekii]'		
Seq. No.	19991	Seq. ID	OJ990916_07.9B22.C8
Gene No.	41709	Strand	+
Start	5203	End	6263

Name	OJ990916_07.9B22.C8.o2.np	Method	AAT/NAP
Start	5876	End	6046
GI	6437554	Score	212
Exons	5876..6046		
GI Descrip.	(AC011623) putative 50S ribosomal protein L33 [Arabidopsis thaliana]		

Seq. No.	19991	Seq. ID	OJ990916_07.9B22.C8
Gene No.	41710	Strand	-
Start	5725	End	6804
Name	OJ990916_07.9B22.C8.o2.gs	Method	GENSCAN
Start	5725	End	6804
GI	none	Score	.61
Exons	5725..5940, 6417..6616, 6717..6804		

Seq. No.	19991	Seq. ID	OJ990916_07.9B22.C8
Gene No.	41710	Strand	-
Start	5725	End	6804
Name	OJ990916_07.9B22.C8.o1.tm	Method	TBLASTX:Maize
Start	5875	End	6052
GI	none	Score	290
Exons	5875..6051, 5876..6052, 5876..6052		

Seq. No.	19992	Seq. ID	OJ990916_07.9B22.C11
Gene No.	41711	Strand	+
Start	1	End	93
Name	OJ990916_07.9B22.C11.o1.gp	Method	AAT/GAP
Start	1	End	93
GI	none	Score	167
Exons	1..93		

Seq. No.	19993	Seq. ID	OJ990916_07.9B22.C12
Gene No.	41712	Strand	-
Start	1	End	1485
Name	OJ990916_07.9B22.C12.o1.np	Method	AAT/NAP
Start	1	End	1485
GI	6498441	Score	1633
Exons	1..218, 282..745, 1076..1485		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19993	Seq. ID	OJ990916_07.9B22.C12
Gene No.	41712	Strand	-
Start	1	End	1485
Name	OJ990916_07.9B22.C12.o1.tw	Method	TBLASTX:Wheat
Start	90	End	861
GI	none	Score	153
Exons	90..266, 91..234, 105..287, 375..860, 406..666, 536..622, 724..861		

Seq. No.	19993	Seq. ID	OJ990916_07.9B22.C12
Gene No.	41712	Strand	-
Start	1	End	1485
Name	OJ990916_07.9B22.C12.o1.gs	Method	GENSCAN
Start	219	End	1387
GI	none	Score	.55

Exons	219..1075, 1118..1387		
Seq. No.	19994	Seq. ID	OJ990916_07.9B22.C13
Gene No.	41713	Strand	-
Start	1	End	789
Name	OJ990916_07.9B22.C13.o1.np	Method	AAT/NAP
Start	1	End	789
GI	5042454	Score	615
Exons	1..486, 540..789		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	19994	Seq. ID	OJ990916_07.9B22.C13
Gene No.	41713	Strand	-
Start	1	End	789
Name	OJ990916_07.9B22.C13.o1.gs	Method	GENSCAN
Start	95	End	644
GI	none	Score	.41
Exons	95..486, 540..644		
Seq. No.	19995	Seq. ID	OJ990916_07.9B22.C15
Gene No.	41714	Strand	-
Start	513	End	4240
Name	OJ990916_07.9B22.C15.o1.gs	Method	GENSCAN
Start	513	End	4183
GI	none	Score	.5
Exons	513..626, 1711..2094, 2180..2315, 2600..2812, 4062..4183		
Seq. No.	19995	Seq. ID	OJ990916_07.9B22.C15
Gene No.	41714	Strand	-
Start	513	End	4240
Name	OJ990916_07.9B22.C15.o1.np	Method	AAT/NAP
Start	2577	End	4240
GI	6721512	Score	53
Exons	2577..2645, 3985..4015, 4058..4191, 4219..4240		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	19996	Seq. ID	OJ990916_07.9B22.C16
Gene No.	41715	Strand	+
Start	1021	End	2028
Name	OJ990916_07.9B22.C16.o1.gs	Method	GENSCAN
Start	1021	End	2028
GI	none	Score	.6
Exons	1021..1170, 1939..2028		
Seq. No.	19996	Seq. ID	OJ990916_07.9B22.C16
Gene No.	41716	Strand	-
Start	5575	End	8277
Name	OJ990916_07.9B22.C16.o2.gs	Method	GENSCAN
Start	5575	End	8277
GI	none	Score	.45
Exons	5575..5772, 6140..6539, 6827..6899, 8196..8277		
Seq. No.	19996	Seq. ID	OJ990916_07.9B22.C16
Gene No.	41716	Strand	-
Start	5575	End	8277
Name	OJ990916_07.9B22.C16.o1.gp	Method	AAT/GAP
Start	7744	End	8170

GI	3761065	Score	92
Exons	7744..7808, 8144..8170		
Seq. No.	19997	Seq. ID	OJ990916_07.9B22.C17
Gene No.	41717	Strand	+
Start	704	End	4410
Name	OJ990916_07.9B22.C17.o1.gs	Method	GENSCAN
Start	704	End	4410
GI	none	Score	.64
Exons	704..857, 1257..1394, 1826..1940, 2744..2826, 2944..3073, 3424..3502, 3980..4054, 4222..4410		
Seq. No.	19997	Seq. ID	OJ990916_07.9B22.C17
Gene No.	41718	Strand	+
Start	4854	End	5094
Name	OJ990916_07.9B22.C17.o2.gs	Method	GENSCAN
Start	4854	End	5094
GI	none	Score	.92
Exons	4854..4965, 5078..5094		
Seq. No.	19998	Seq. ID	OJ990916_07.9B22.C18
Gene No.	41719	Strand	-
Start	198	End	3508
Name	OJ990916_07.9B22.C18.o1.gp	Method	AAT/GAP
Start	198	End	1695
GI	3897_3.R1084	Score	1377
Exons	198..669, 913..988, 1386..1458, 1571..1695		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 2.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		
Seq. No.	19998	Seq. ID	OJ990916_07.9B22.C18
Gene No.	41719	Strand	-
Start	198	End	3508
Name	OJ990916_07.9B22.C18.o1.gs	Method	GENSCAN
Start	384	End	3252
GI	none	Score	.57
Exons	384..533, 633..669, 913..988, 1386..1458, 1571..1632, 2169..2257, 2350..2424, 3143..3252		
Seq. No.	19998	Seq. ID	OJ990916_07.9B22.C18
Gene No.	41719	Strand	-
Start	198	End	3508
Name	OJ990916_07.9B22.C18.o1.np	Method	AAT/NAP
Start	893	End	3300
GI	6946676	Score	132
Exons	893..979, 1366..1546, 2353..2616, 3133..3300		
GI Descrip.	(AL138972) /prediction=(method:""genscan"", version:""1.0"", score:""119.22""); /prediction=(method:""genefinder"", version:""084""); /match=(desc:""LD41675.5prime LD Drosophila melanogaster embryo pOT2 Drosophila melanogaste...		
Seq. No.	19998	Seq. ID	OJ990916_07.9B22.C18
Gene No.	41719	Strand	-
Start	198	End	3508
Name	OJ990916_07.9B22.C18.o2.gp	Method	AAT/GAP
Start	1895	End	2416
GI	none	Score	735

Exons	1895..2257, 2350..2416		
Seq. No.	19998	Seq. ID	OJ990916_07.9B22.C18
Gene No.	41719	Strand	-
Start	198	End	3508
Name	OJ990916_07.9B22.C18.o1.tm	Method	TBLASTX:Maize
Start	2349	End	3271
GI	none	Score	65
Exons	2349..2426, 2350..2424, 2351..2425, 2469..2615, 2501..2617, 2503..2616, 2522..2617, 3143..3271, 3145..3270		
Seq. No.	19998	Seq. ID	OJ990916_07.9B22.C18
Gene No.	41719	Strand	-
Start	198	End	3508
Name	OJ990916_07.9B22.C18.o3.gp	Method	AAT/GAP
Start	3091	End	3508
GI	none	Score	807
Exons	3091..3508		
Seq. No.	19999	Seq. ID	OJ990916_07.9B22.C19
Gene No.	41720	Strand	-
Start	1934	End	3401
Name	OJ990916_07.9B22.C19.o1.gs	Method	GENSCAN
Start	1934	End	3401
GI	none	Score	.47
Exons	1934..1990, 2097..2142, 3301..3401		
Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41721	Strand	+
Start	4130	End	6236
Name	OJ990916_07.9B22.C20.o1.gp	Method	AAT/GAP
Start	4013	End	4529
GI	none	Score	742
Exons	4013..4322, 4420..4529		
Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41721	Strand	+
Start	4130	End	6236
Name	OJ990916_07.9B22.C20.o2.gs	Method	GENSCAN
Start	4130	End	6236
GI	none	Score	.7
Exons	4130..4322, 4420..4529, 4623..4741, 6161..6236		
Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41721	Strand	+
Start	4130	End	6236
Name	OJ990916_07.9B22.C20.o2.np	Method	AAT/NAP
Start	4148	End	6233
GI	6714413	Score	371
Exons	4148..4322, 4420..4529, 4623..4741, 6161..6233		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		
Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41722	Strand	+
Start	9425	End	10972
Name	OJ990916_07.9B22.C20.o5.np	Method	AAT/NAP
Start	9425	End	10972

GI	5902373	Score	438
Exons	9425..9499, 9989..10056, 10258..10371, 10486..10648, 10725..10871, 10949..10972		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41723	Strand	+
Start	11336	End	11714
Name	OJ990916_07.9B22.C20.o3.gp	Method	AAT/GAP
Start	11336	End	11714
GI	427177	Score	742
Exons	11336..11714		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41724	Strand	-
Start	1	End	1544
Name	OJ990916_07.9B22.C20.o1.np	Method	AAT/NAP
Start	1	End	1544
GI	4887010	Score	275
Exons	1..75, 665..1053, 1505..1544		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41724	Strand	-
Start	1	End	1544
Name	OJ990916_07.9B22.C20.o1.gs	Method	GENSCAN
Start	179	End	1123
GI	none	Score	.98
Exons	179..380, 774..1123		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41725	Strand	-
Start	6287	End	6400
Name	OJ990916_07.9B22.C20.o2.gp	Method	AAT/GAP
Start	6287	End	6400
GI	none	Score	184
Exons	6287..6400		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309
Name	OJ990916_07.9B22.C20.o2.ts	Method	TBLASTX:Soybean
Start	275	End	1054
GI	none	Score	65
Exons	275..394, 743..1045, 759..992, 848..1054		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309
Name	OJ990916_07.9B22.C20.o2.tc	Method	TBLASTX:Cress
Start	743	End	1045
GI	none	Score	120
Exons	743..1045, 759..989		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309

Name	OJ990916_07.9B22.C20.o4.tm	Method	TBLASTX:Maize
Start	774	End	1054
GI	none	Score	84
Exons	774..923, 776..928, 920..1054, 932..1039		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309
Name	OJ990916_07.9B22.C20.o1.tw	Method	TBLASTX:Wheat
Start	4130	End	4742
GI	none	Score	165
Exons	4130..4246, 4130..4255, 4256..4330, 4277..4321, 4422..4544, 4422..4544, 4620..4742, 4622..4741		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309
Name	OJ990916_07.9B22.C20.o1.tc	Method	TBLASTX:Cress
Start	4136	End	4742
GI	none	Score	143
Exons	4136..4321, 4422..4544, 4620..4742		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309
Name	OJ990916_07.9B22.C20.o1.ts	Method	TBLASTX:Soybean
Start	4139	End	6227
GI	none	Score	130
Exons	4139..4321, 4422..4544, 4620..4742, 4628..4741, 6144..6227		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309
Name	OJ990916_07.9B22.C20.o1.tm	Method	TBLASTX:Maize
Start	4145	End	6236
GI	none	Score	182
Exons	4145..4330, 4148..4321, 4419..4544, 4422..4544, 4620..4742, 4622..4741, 6156..6233, 6158..6235, 6159..6236		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309
Name	OJ990916_07.9B22.C20.o3.np	Method	AAT/NAP
Start	8001	End	9309
GI	5777617	Score	103
Exons	8001..8127, 9245..9309		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41726	Strand	-
Start	8001	End	9309
Name	OJ990916_07.9B22.C20.o4.np	Method	AAT/NAP
Start	8486	End	8569
GI	5852084	Score	100
Exons	8486..8569		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41727	Strand	
Start	9379	End	10569
Name	OJ990916_07.9B22.C20.o3.tm	Method	TBLASTX:Maize
Start	9379	End	10569
GI	none	Score	120
Exons	9379..9498, 9419..9499, 9419..9499, 9420..9500, 9974..10057, 9988..10062, 9996..10061, 10255..10377, 10256..10375, 10256..10381, 10436..10567, 10483..10569, 10491..10568, 10492..10569		

Seq. No.	20000	Seq. ID	OJ990916_07.9B22.C20
Gene No.	41728	Strand	
Start	10570	End	10988
Name	OJ990916_07.9B22.C20.o2.tm	Method	TBLASTX:Maize
Start	10570	End	10988
GI	none	Score	127
Exons	10570..10650, 10571..10648, 10582..10650, 10695..10871, 10724..10873, 10724..10870, 10941..10988, 10946..10987		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41729	Strand	+
Start	342	End	1125
Name	OJ990916_07.9B22.C21.o1.gs	Method	GENSCAN
Start	342	End	1125
GI	none	Score	.86
Exons	342..410, 886..1125		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41730	Strand	+
Start	2263	End	2766
Name	OJ990916_07.9B22.C21.o2.gs	Method	GENSCAN
Start	2263	End	2766
GI	none	Score	.83
Exons	2263..2335, 2504..2766		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o3.gs	Method	GENSCAN
Start	3774	End	11956
GI	none	Score	.51
Exons	3774..3922, 4539..4863, 5531..5561, 6125..6237, 7208..7313, 7898..8169, 8754..9069, 9099..9266, 9358..9512, 10149..10223, 10341..10631, 11104..11454, 11552..11956		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o1.np	Method	AAT/NAP
Start	8775	End	11915
GI	4539351	Score	1041
Exons	8775..8883, 8979..9266, 9358..9512, 10149..10223, 10341..10631, 11104..11454, 11552..11915		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21

Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o2.ts	Method	TBLASTX:Soybean
Start	9137	End	10208
GI	none	Score	161
Exons	9137..9262, 9354..9485, 10134..10208		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o1.tm	Method	TBLASTX:Maize
Start	9143	End	9515
GI	none	Score	193
Exons	9143..9265, 9149..9187, 9220..9354, 9356..9451, 9357..9452, 9452..9511, 9453..9515, 9453..9512		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o3.tm	Method	TBLASTX:Maize
Start	10134	End	10412
GI	none	Score	115
Exons	10134..10223, 10143..10232, 10316..10411, 10341..10412, 10341..10412		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o1.tc	Method	TBLASTX:Cress
Start	10341	End	11235
GI	none	Score	69
Exons	10341..10412, 10443..10631, 10449..10631, 11101..11235, 11101..11235		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o2.tm	Method	TBLASTX:Maize
Start	10446	End	11665
GI	none	Score	177
Exons	10446..10631, 10449..10631, 11101..11454, 11106..11264, 11423..11455, 11549..11665, 11551..11649		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o1.ts	Method	TBLASTX:Soybean
Start	11146	End	11650
GI	none	Score	85
Exons	11146..11298, 11293..11349, 11332..11454, 11426..11455, 11549..11650, 11551..11631		

Seq. No.	20001	Seq. ID	OJ990916_07.9B22.C21
Gene No.	41731	Strand	+
Start	3774	End	12064
Name	OJ990916_07.9B22.C21.o1.gp	Method	AAT/GAP
Start	11641	End	12064

GI	2442966	Score	746
Exons	11641..12064		

Seq. No.	20002	Seq. ID	OJ990916_07.9B22.C22
Gene No.	41732	Strand	+
Start	1	End	5872
Name	OJ990916_07.9B22.C22.o1.np	Method	AAT/NAP
Start	1	End	2767
GI	4680345	Score	403
Exons	1..283, 416..562, 2727..2767		
GI Descrip.	(AF128457) putative receptor kinase [Oryza sativa subsp. indica]		

Seq. No.	20002	Seq. ID	OJ990916_07.9B22.C22
Gene No.	41732	Strand	+
Start	1	End	5872
Name	OJ990916_07.9B22.C22.o1.gs	Method	GENSCAN
Start	126	End	2328
GI	none	Score	.54
Exons	126..321, 416..586, 611..908, 1211..1312, 1692..2328		

Seq. No.	20002	Seq. ID	OJ990916_07.9B22.C22
Gene No.	41732	Strand	+
Start	1	End	5872
Name	OJ990916_07.9B22.C22.o2.gs	Method	GENSCAN
Start	2513	End	5872
GI	none	Score	.48
Exons	2513..2556, 3258..3357, 3397..3543, 4518..4622, 5272..5369, 5770..5872		

Seq. No.	20002	Seq. ID	OJ990916_07.9B22.C22
Gene No.	41733	Strand	-
Start	5645	End	6753
Name	OJ990916_07.9B22.C22.o2.tm	Method	TBLASTX:Maize
Start	203	End	513
GI	none	Score	152
Exons	203..292, 204..326, 400..513, 414..503		

Seq. No.	20002	Seq. ID	OJ990916_07.9B22.C22
Gene No.	41733	Strand	-
Start	5645	End	6753
Name	OJ990916_07.9B22.C22.o1.tm	Method	TBLASTX:Maize
Start	1960	End	2166
GI	none	Score	309
Exons	1960..2166, 1974..2165		

Seq. No.	20002	Seq. ID	OJ990916_07.9B22.C22
Gene No.	41733	Strand	-
Start	5645	End	6753
Name	OJ990916_07.9B22.C22.o2.np	Method	AAT/NAP
Start	5645	End	6753
GI	5852084	Score	74
Exons	5645..5763, 6701..6753		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	20002	Seq. ID	OJ990916_07.9B22.C22
Gene No.	41733	Strand	-
Start	5645	End	6753

Name	OJ990916_07.9B22.C22.o1.gp	Method	AAT/GAP
Start	5732	End	6753
GI	none	Score	631
Exons	5732..6063, 6736..6753		

Seq. No.	20003	Seq. ID	OJ990916_07.9B22.C23
Gene No.	41734	Strand	-
Start	1	End	133
Name	OJ990916_07.9B22.C23.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	none	Score	175
Exons	1..133		

Seq. No.	20003	Seq. ID	OJ990916_07.9B22.C23
Gene No.	41735	Strand	-
Start	130	End	1606
Name	OJ990916_07.9B22.C23.o1.tm	Method	TBLASTX:Maize
Start	126	End	1606
GI	none	Score	53
Exons	126..182, 129..182, 242..325, 264..290, 294..329, 419..556, 420..542, 436..543, 565..615, 926..1003, 930..989, 1267..1305, 1276..1356, 1493..1543, 1561..1605, 1562..1606		

Seq. No.	20003	Seq. ID	OJ990916_07.9B22.C23
Gene No.	41735	Strand	-
Start	130	End	1606
Name	OJ990916_07.9B22.C23.o2.gp	Method	AAT/GAP
Start	130	End	1554
GI	none	Score	1206
Exons	130..181, 265..325, 413..582, 915..1002, 1267..1554		

Seq. No.	20003	Seq. ID	OJ990916_07.9B22.C23
Gene No.	41735	Strand	-
Start	130	End	1606
Name	OJ990916_07.9B22.C23.o1.gs	Method	GENSCAN
Start	265	End	1365
GI	none	Score	.89
Exons	265..325, 413..582, 915..1002, 1267..1365		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41736	Strand	+
Start	10346	End	13512
Name	OJ990916_07.9B22.C24.o3.np	Method	AAT/NAP
Start	10346	End	13512
GI	6721516	Score	271
Exons	10346..10405, 10534..10624, 10949..11005, 11770..12059, 13316..13512		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41736	Strand	+
Start	10346	End	13512
Name	OJ990916_07.9B22.C24.o4.np	Method	AAT/NAP
Start	11432	End	13385
GI	4680186	Score	218
Exons	11432..11478, 12672..12756, 12943..13026, 13154..13385		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41737	Strand	-
Start	5830	End	9730
Name	OJ990916_07.9B22.C24.o1.np	Method	AAT/NAP
Start	5830	End	9730
GI	6539553	Score	6306
Exons	5830..9730		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41738	Strand	-
Start	10757	End	12773
Name	OJ990916_07.9B22.C24.o2.np	Method	AAT/NAP
Start	10757	End	12773
GI	2980770	Score	124
Exons	10757..11018, 12746..12773		
GI Descrip.	(AL022198) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o3.tw	Method	TBLASTX:Wheat
Start	2049	End	7190
GI	none	Score	50
Exons	2049..2114, 6646..6786, 6656..6787, 6846..7190, 6870..7043		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o2.tw	Method	TBLASTX:Wheat
Start	5966	End	6441
GI	none	Score	347
Exons	5966..6352, 5968..6351, 6361..6441, 6367..6441		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o4.ts	Method	TBLASTX:Soybean
Start	6094	End	6435
GI	none	Score	88
Exons	6094..6303, 6115..6303, 6322..6435, 6329..6355		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o6.tm	Method	TBLASTX:Maize
Start	6314	End	6630
GI	none	Score	151
Exons	6314..6622, 6316..6630, 6331..6630		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314

Name	OJ990916_07.9B22.C24.o2.ts	Method	TBLASTX:Soybean
Start	6448	End	6793
GI	none	Score	113
Exons	6448..6792, 6593..6793		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o4.tm	Method	TBLASTX:Maize
Start	6727	End	7191
GI	none	Score	42
Exons	6727..6801, 6816..7190, 6829..6939, 6873..7055, 7009..7191		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o1.ts	Method	TBLASTX:Soybean
Start	6861	End	7325
GI	5509260	Score	44
Exons	6861..7325, 6892..6939, 7012..7107, 7156..7224		
GI Descrip.	-		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o1.tc	Method	TBLASTX:Cress
Start	6972	End	7232
GI	none	Score	291
Exons	6972..7232		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o1.tw	Method	TBLASTX:Wheat
Start	7245	End	7992
GI	none	Score	208
Exons	7245..7493, 7245..7484, 7262..7492, 7513..7992, 7551..7985		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o3.ts	Method	TBLASTX:Soybean
Start	7662	End	8048
GI	none	Score	81
Exons	7662..7823, 7824..8048, 7839..8033		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o5.tm	Method	TBLASTX:Maize
Start	7836	End	8270
GI	none	Score	78
Exons	7836..8270, 7930..8061		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314

Name	OJ990916_07.9B22.C24.o5.tw	Method	TBLASTX:Wheat
Start	7994	End	8195
GI	none	Score	130
Exons	7994..8137, 7994..8191, 7995..8195, 7995..8192		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o5.ts	Method	TBLASTX:Soybean
Start	8058	End	8444
GI	none	Score	89
Exons	8058..8306, 8289..8444		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o1.tm	Method	TBLASTX:Maize
Start	8471	End	8792
GI	none	Score	218
Exons	8471..8683, 8472..8687, 8472..8684, 8473..8688, 8679..8792, 8680..8784		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o3.tm	Method	TBLASTX:Maize
Start	9288	End	9601
GI	none	Score	259
Exons	9288..9578, 9289..9579, 9290..9601, 9296..9583		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o4.tw	Method	TBLASTX:Wheat
Start	9350	End	9736
GI	none	Score	223
Exons	9350..9736, 9351..9725		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o2.tm	Method	TBLASTX:Maize
Start	10769	End	11202
GI	none	Score	149
Exons	10769..10927, 10773..10889, 10775..10903, 10907..11020, 10967..11017, 11016..11066, 11059..11202, 11064..11195		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-
Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o6.ts	Method	TBLASTX:Soybean
Start	10772	End	11020
GI	none	Score	113
Exons	10772..10933, 10776..10883, 10778..10909, 10964..11020		

Seq. No.	20004	Seq. ID	OJ990916_07.9B22.C24
Gene No.	41739	Strand	-

Start	12931	End	13314
Name	OJ990916_07.9B22.C24.o1.gp	Method	AAT/GAP
Start	12931	End	13314
GI	uC-osflcyp033a04b1	Score	669
Exons	12931..13314		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20005	Seq. ID	OJ990916_07.9B22.C25
Gene No.	41740	Strand	+
Start	1	End	1192
Name	OJ990916_07.9B22.C25.o1.np	Method	AAT/NAP
Start	1	End	1189
GI	6815053	Score	457
Exons	1..52, 815..1189		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	20005	Seq. ID	OJ990916_07.9B22.C25
Gene No.	41740	Strand	+
Start	1	End	1192
Name	OJ990916_07.9B22.C25.o1.gs	Method	GENSCAN
Start	658	End	1192
GI	none	Score	.82
Exons	658..762, 815..1192		

Seq. No.	20006	Seq. ID	OJ990916_07.9B22.C26
Gene No.	41741	Strand	+
Start	155	End	289
Name	OJ990916_07.9B22.C26.o1.gs	Method	GENSCAN
Start	155	End	289
GI	none	Score	.49
Exons	155..289		

Seq. No.	20007	Seq. ID	OJ990916_07.9B22.C27
Gene No.	41742	Strand	-
Start	3434	End	6092
Name	OJ990916_07.9B22.C27.o2.gs	Method	GENSCAN
Start	3434	End	6092
GI	none	Score	.53
Exons	3434..3495, 3609..3757, 3916..3931, 4175..4306, 4759..4819, 5949..6092		

Seq. No.	20008	Seq. ID	OJ990916_07.9B22.C28
Gene No.	41743	Strand	+
Start	1	End	418
Name	OJ990916_07.9B22.C28.o1.np	Method	AAT/NAP
Start	1	End	418
GI	6498441	Score	675
Exons	1..418		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20008	Seq. ID	OJ990916_07.9B22.C28
Gene No.	41743	Strand	+
Start	1	End	418
Name	OJ990916_07.9B22.C28.o1.tw	Method	TBLASTX:Wheat

Start	92	End	406
GI	none	Score	50
Exons	92..136, 143..241, 160..240, 208..402, 224..406		

Seq. No.	20008	Seq. ID	OJ990916_07.9B22.C28
Gene No.	41743	Strand	+
Start	1	End	418
Name	OJ990916_07.9B22.C28.o1.tm	Method	TBLASTX:Maize
Start	131	End	379
GI	none	Score	195
Exons	131..379, 133..378		

Seq. No.	20008	Seq. ID	OJ990916_07.9B22.C28
Gene No.	41743	Strand	+
Start	1	End	418
Name	OJ990916_07.9B22.C28.o1.gs	Method	GENSCAN
Start	142	End	278
GI	none	Score	.91
Exons	142..278		

Seq. No.	20009	Seq. ID	OJ990916_07.9B22.C29
Gene No.	41744	Strand	+
Start	671	End	786
Name	OJ990916_07.9B22.C29.o1.gs	Method	GENSCAN
Start	671	End	786
GI	none	Score	.88
Exons	671..786		

Seq. No.	20010	Seq. ID	OJ990916_07.9B22.C31
Gene No.	41745	Strand	+
Start	223	End	1806
Name	OJ990916_07.9B22.C31.o1.np	Method	AAT/NAP
Start	223	End	1806
GI	4895189	Score	88
Exons	223..249, 1585..1806		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	20010	Seq. ID	OJ990916_07.9B22.C31
Gene No.	41746	Strand	+
Start	1816	End	3497
Name	OJ990916_07.9B22.C31.o1.tm	Method	TBLASTX:Maize
Start	1578	End	1752
GI	none	Score	125
Exons	1578..1670, 1579..1719, 1588..1686, 1696..1752, 1700..1750, 1704..1751		

Seq. No.	20010	Seq. ID	OJ990916_07.9B22.C31
Gene No.	41746	Strand	+
Start	1816	End	3497
Name	OJ990916_07.9B22.C31.o1.ts	Method	TBLASTX:Soybean
Start	1578	End	1797
GI	none	Score	54
Exons	1578..1622, 1579..1671, 1659..1781, 1696..1797, 1696..1776, 1704..1796		

Seq. No.	20010	Seq. ID	OJ990916_07.9B22.C31
Gene No.	41746	Strand	+

Start	1816	End	3497
Name	OJ990916_07.9B22.C31.o1.gs	Method	GENSCAN
Start	1816	End	3497
GI	none	Score	.45
Exons	1816..1893, 2779..2880, 3336..3497		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41747	Strand	+
Start	9661	End	9908
Name	OJ990916_07.9B22.C32.o2.np	Method	AAT/NAP
Start	9661	End	9908
GI	6907106	Score	185
Exons	9661..9908		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41748	Strand	-
Start	349	End	527
Name	OJ990916_07.9B22.C32.o1.gp	Method	AAT/GAP
Start	349	End	527
GI	4715988	Score	324
Exons	349..527		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41749	Strand	-
Start	730	End	9839
Name	OJ990916_07.9B22.C32.o1.np	Method	AAT/NAP
Start	730	End	5006
GI	4895190	Score	749
Exons	730..801, 1789..1849, 1883..1934, 2025..2071, 2151..2246, 2367..2467, 2545..2604, 2727..2798, 2877..2957, 3226..3294, 3370..3456, 4773..4862, 4974..5006		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41749	Strand	-
Start	730	End	9839
Name	OJ990916_07.9B22.C32.o1.tm	Method	TBLASTX:Maize
Start	751	End	2469
GI	none	Score	88
Exons	751..804, 752..802, 1767..1934, 1789..1935, 1789..1935, 2026..2073, 2026..2070, 2147..2248, 2147..2248, 2148..2249, 2343..2435, 2360..2467, 2360..2467, 2367..2468, 2431..2469		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41749	Strand	-
Start	730	End	9839
Name	OJ990916_07.9B22.C32.o2.gs	Method	GENSCAN
Start	1780	End	9839
GI	none	Score	.73
Exons	1780..2071, 2151..2246, 2367..2469, 2544..2604, 3370..3456, 4773..4862, 4907..4931, 5061..5343, 8471..8540, 9528..9839		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41749	Strand	-
Start	730	End	9839

Name	OJ990916_07.9B22.C32.o1.ts	Method	TBLASTX:Soybean
Start	1792	End	3405
GI	none	Score	102
Exons	1792..1863, 1843..1905, 2026..2070, 2103..2249, 2147..2248, 2364..2435, 2366..2467, 2376..2468, 2548..2604, 2727..2804, 2728..2799, 2895..2966, 3230..3295, 3370..3405		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41749	Strand	-
Start	730	End	9839
Name	OJ990916_07.9B22.C32.o1.tc	Method	TBLASTX:Cress
Start	2168	End	4862
GI	none	Score	55
Exons	2168..2248, 2169..2249, 2360..2467, 2367..2468, 2727..2744, 2745..2771, 2895..2957, 3368..3460, 3370..3456, 4773..4862		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41749	Strand	-
Start	730	End	9839
Name	OJ990916_07.9B22.C32.o2.tm	Method	TBLASTX:Maize
Start	2493	End	4998
GI	none	Score	90
Exons	2493..2606, 2544..2627, 2545..2607, 2727..2792, 2727..2804, 2728..2799, 2877..2963, 2895..2966, 3216..3290, 3230..3295, 3230..3286, 3262..3294, 3368..3460, 3370..3456, 3371..3457, 4773..4865, 4773..4862, 4774..4863, 4972..4998, 4973..4996		

Seq. No.	20011	Seq. ID	OJ990916_07.9B22.C32
Gene No.	41749	Strand	-
Start	730	End	9839
Name	OJ990916_07.9B22.C32.o3.gp	Method	AAT/GAP
Start	4793	End	5396
GI	46627_1.R1084	Score	935
Exons	4793..4862, 4974..5396		
GI Descrip.	'3402817/emb|CAA07704| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	20012	Seq. ID	OJ990916_07.9B22.C33
Gene No.	41750	Strand	+
Start	1	End	172
Name	OJ990916_07.9B22.C33.o1.np	Method	AAT/NAP
Start	1	End	172
GI	6907106	Score	124
Exons	1..172		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20012	Seq. ID	OJ990916_07.9B22.C33
Gene No.	41751	Strand	+
Start	101	End	2166
Name	OJ990916_07.9B22.C33.o1.gs	Method	GENSCAN
Start	101	End	2166
GI	none	Score	.52
Exons	101..157, 408..483, 1349..1517, 1670..1770, 1802..2040, 2077..2166		

Seq. No.	20012	Seq. ID	OJ990916_07.9B22.C33

Gene No.	41751	Strand	+
Start	101	End	2166
Name	OJ990916_07.9B22.C33.o1.gp	Method	AAT/GAP
Start	225	End	639
GI	91923_1.R1084	Score	508
Exons	225..639		
GI Descrip.	'4006878/emb|CAB16796.1| 7.0e-11 (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	20012	Seq. ID	OJ990916_07.9B22.C33
Gene No.	41752	Strand	+
Start	5889	End	6200
Name	OJ990916_07.9B22.C33.o3.gs	Method	GENSCAN
Start	5889	End	6200
GI	none	Score	.66
Exons	5889..6200		

Seq. No.	20012	Seq. ID	OJ990916_07.9B22.C33
Gene No.	41753	Strand	-
Start	3253	End	3773
Name	OJ990916_07.9B22.C33.o2.gs	Method	GENSCAN
Start	3253	End	3773
GI	none	Score	.75
Exons	3253..3449, 3752..3773		

Seq. No.	20012	Seq. ID	OJ990916_07.9B22.C33
Gene No.	41754	Strand	-
Start	5412	End	6603
Name	OJ990916_07.9B22.C33.o2.np	Method	AAT/NAP
Start	5412	End	6603
GI	6907086	Score	432
Exons	5412..5609, 5667..5899, 6103..6327, 6390..6603		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20013	Seq. ID	OJ990916_07.9B22.C34
Gene No.	41755	Strand	+
Start	240	End	751
Name	OJ990916_07.9B22.C34.o1.gs	Method	GENSCAN
Start	240	End	751
GI	none	Score	.92
Exons	240..285, 657..751		

Seq. No.	20013	Seq. ID	OJ990916_07.9B22.C34
Gene No.	41756	Strand	-
Start	6	End	1435
Name	OJ990916_07.9B22.C34.o1.np	Method	AAT/NAP
Start	6	End	1435
GI	6907088	Score	670
Exons	6..403, 888..1122, 1298..1435		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20013	Seq. ID	OJ990916_07.9B22.C34
Gene No.	41757	Strand	-
Start	3032	End	3903
Name	OJ990916_07.9B22.C34.o2.gs	Method	GENSCAN
Start	3032	End	3903
GI	none	Score	.82

Exons	3032..3243, 3772..3903		
Seq. No.	20014	Seq. ID	OJ990916_07.9B22.C35
Gene No.	41758	Strand	+
Start	1929	End	4419
Name	OJ990916_07.9B22.C35.o1.np	Method	AAT/NAP
Start	1929	End	4419
GI	81286	Score	80
Exons	1929..2190, 3437..3575, 4228..4419		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		
Seq. No.	20014	Seq. ID	OJ990916_07.9B22.C35
Gene No.	41759	Strand	-
Start	3164	End	4640
Name	OJ990916_07.9B22.C35.o2.gs	Method	GENSCAN
Start	3164	End	4640
GI	none	Score	.69
Exons	3164..3249, 3809..3907, 3992..4099, 4201..4360, 4419..4525, 4608..4640		
Seq. No.	20014	Seq. ID	OJ990916_07.9B22.C35
Gene No.	41759	Strand	-
Start	3164	End	4640
Name	OJ990916_07.9B22.C35.o1.gp	Method	AAT/GAP
Start	3584	End	4460
GI	76386_1.R1084	Score	1226
Exons	3584..3907, 3992..4099, 4201..4460		
GI Descrip.	'4263528/gb|AAD15354| 6.0e-09 (AC004044) predicted protein of unknown function [Arabidopsis thaliana]'		
Seq. No.	20014	Seq. ID	OJ990916_07.9B22.C35
Gene No.	41759	Strand	-
Start	3164	End	4640
Name	OJ990916_07.9B22.C35.o1.tm	Method	TBLASTX:Maize
Start	3737	End	4381
GI	none	Score	65
Exons	3737..3832, 4048..4101, 4050..4100, 4184..4381, 4200..4310		
Seq. No.	20015	Seq. ID	OJ990916_07.9B22.C36
Gene No.	41760	Strand	-
Start	22	End	505
Name	OJ990916_07.9B22.C36.o1.gs	Method	GENSCAN
Start	22	End	190
GI	none	Score	1
Exons	22..190		
Seq. No.	20015	Seq. ID	OJ990916_07.9B22.C36
Gene No.	41760	Strand	-
Start	22	End	505
Name	OJ990916_07.9B22.C36.o1.gp	Method	AAT/GAP
Start	79	End	505
GI	none	Score	813
Exons	79..505		
Seq. No.	20016	Seq. ID	OJ990916_07.9B22.C37
Gene No.	41761	Strand	+

Start	32	End	279
Name	OJ990916_07.9B22.C37.o1.gs	Method	GENSCAN
Start	32	End	279
GI	none	Score	.79
Exons	32..88, 259..279		

Seq. No.	20017	Seq. ID	OJ990916_07.9B22.C38
Gene No.	41762	Strand	-
Start	68	End	195
Name	OJ990916_07.9B22.C38.o1.gs	Method	GENSCAN
Start	68	End	195
GI	none	Score	.52
Exons	68..195		

Seq. No.	20018	Seq. ID	OJ990916_07.9B22.C39
Gene No.	41763	Strand	+
Start	358	End	671
Name	OJ990916_07.9B22.C39.o1.gs	Method	GENSCAN
Start	358	End	671
GI	none	Score	.74
Exons	358..409, 451..671		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41764	Strand	+
Start	1	End	1129
Name	OJ991106_46.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	779
GI	1169797	Score	328
Exons	1..35, 221..332, 498..605, 735..779		
GI Descrip.	GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC A (GPI-A) (PHOSPHOGLUCOSE ISOMERASE A) (PGI-A) (PHOSPHOHEXOSE ISOMERASE A) (PHI-A) gi|639684|dbj|BAA08148| (D45217) phosphoglucose isomerase (Pgi-a) [Oryza sativa]		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41764	Strand	+
Start	1	End	1129
Name	OJ991106_46.9C17.C1.o1.gp	Method	AAT/GAP
Start	242	End	1129
GI	380_1.R1084	Score	1130
Exons	242..332, 498..605, 735..1129		
GI Descrip.	'1169797/sp|P42862|G6PA_ORYSA 0.0e+00 GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC A (GPI-A) (PHOSPHOGLUCOSE ISOMERASE A) (PGI-A) (PHOSPHOHEXOSE ISOMERASE A) (PHI-A) >gi_639684_dbj_BAA08148_ (D45217) phosphoglucose isomerase (Pgi-a) [Oryza sativa]'		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41764	Strand	+
Start	1	End	1129
Name	OJ991106_46.9C17.C1.o1.gs	Method	GENSCAN
Start	243	End	782
GI	none	Score	.81
Exons	243..332, 498..605, 735..782		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41765	Strand	+

Start	15459	End	16685
Name	OJ991106_46.9C17.C1.o6.gs	Method	GENSCAN
Start	15459	End	16685
GI	none	Score	.6
Exons	15459..16685		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41766	Strand	+
Start	19653	End	20423
Name	OJ991106_46.9C17.C1.o7.gs	Method	GENSCAN
Start	19653	End	20423
GI	none	Score	.96
Exons	19653..20423		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41767	Strand	+
Start	20933	End	29750
Name	OJ991106_46.9C17.C1.o8.gs	Method	GENSCAN
Start	20933	End	29750
GI	none	Score	.44
Exons	20933..21172, 21263..21520, 21583..21959, 21992..22322, 22524..23942, 24317..24467, 24549..24905, 25125..25532, 25668..25759, 26048..26275, 26293..26506, 29279..29441, 29597..29750		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41767	Strand	+
Start	20933	End	29750
Name	OJ991106_46.9C17.C1.o2.np	Method	AAT/NAP
Start	20966	End	25623
GI	5734736	Score	2627
Exons	20966..21942, 22008..23309, 23430..23948, 24341..25623		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41767	Strand	+
Start	20933	End	29750
Name	OJ991106_46.9C17.C1.o5.gp	Method	AAT/GAP
Start	28046	End	29633
GI	2312936	Score	665
Exons	28046..28206, 29263..29441, 29597..29633		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41767	Strand	+
Start	20933	End	29750
Name	OJ991106_46.9C17.C1.o3.np	Method	AAT/NAP
Start	29260	End	29747
GI	6682248	Score	345
Exons	29260..29441, 29597..29747		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41768	Strand	-
Start	1683	End	4311
Name	OJ991106_46.9C17.C1.o2.gs	Method	GENSCAN
Start	1683	End	4311
GI	none	Score	.73

Exons	1683..1709, 2105..2350, 2445..2855, 2956..3026, 3121..3207, 3300..4311		
Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41768	Strand	-
Start	1683	End	4311
Name	OJ991106_46.9C17.C1.o2.gp	Method	AAT/GAP
Start	1694	End	1946
GI	4715205	Score	434
Exons	1694..1946		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 4.0e-40 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41768	Strand	-
Start	1683	End	4311
Name	OJ991106_46.9C17.C1.o3.gp	Method	AAT/GAP
Start	2978	End	3432
GI	4715204	Score	481
Exons	2978..3026, 3121..3207, 3300..3432		
GI Descrip.	4218011 2.0e-34 (AC006135) putative protein kinase [Arabidopsis thaliana] >gi_4309721_gb_AAD15491_ (AC006439) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41769	Strand	-
Start	6407	End	8344
Name	OJ991106_46.9C17.C1.o3.gs	Method	GENSCAN
Start	6407	End	8344
GI	none	Score	.55
Exons	6407..8344		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41770	Strand	-
Start	9021	End	11600
Name	OJ991106_46.9C17.C1.o4.gs	Method	GENSCAN
Start	9021	End	11600
GI	none	Score	.89
Exons	9021..11126, 11136..11347, 11444..11600		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41771	Strand	-
Start	12835	End	14112
Name	OJ991106_46.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	2267	End	3615
GI	none	Score	221
Exons	2267..2353, 2442..2627, 2670..2858, 2671..2856, 2948..3031, 2953..3048, 3119..3205, 3120..3206, 3295..3615, 3305..3601		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41771	Strand	-
Start	12835	End	14112
Name	OJ991106_46.9C17.C1.o1.ts	Method	TBLASTX:Soybean
Start	2442	End	3619
GI	none	Score	195
Exons	2442..2627, 2667..2858, 2668..2856, 2950..3048, 3119..3208, 3120..3209, 3295..3615, 3299..3619		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41771	Strand	-
Start	12835	End	14112
Name	OJ991106_46.9C17.C1.o2.tw	Method	TBLASTX:Wheat
Start	2673	End	3199
GI	none	Score	109
Exons	2673..2855, 2677..2859, 2948..3022, 2953..3024, 3119..3199		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41771	Strand	-
Start	12835	End	14112
Name	OJ991106_46.9C17.C1.o1.tc	Method	TBLASTX:Cress
Start	2688	End	3399
GI	none	Score	183
Exons	2688..2858, 2689..2859, 2953..3048, 3119..3208, 3120..3209, 3295..3399, 3314..3397		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41771	Strand	-
Start	12835	End	14112
Name	OJ991106_46.9C17.C1.o6.tw	Method	TBLASTX:Wheat
Start	3373	End	3591
GI	none	Score	151
Exons	3373..3591, 3377..3589		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41771	Strand	-
Start	12835	End	14112
Name	OJ991106_46.9C17.C1.o4.tc	Method	TBLASTX:Cress
Start	3400	End	3633
GI	none	Score	215
Exons	3400..3633, 3401..3625		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41771	Strand	-
Start	12835	End	14112
Name	OJ991106_46.9C17.C1.o4.gp	Method	AAT/GAP
Start	12649	End	13011
GI	3759123	Score	527
Exons	12649..13011		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41771	Strand	-
Start	12835	End	14112
Name	OJ991106_46.9C17.C1.o5.gs	Method	GENSCAN
Start	12835	End	14112
GI	none	Score	1
Exons	12835..14112		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41772	Strand	
Start	20881	End	21609
Name	OJ991106_46.9C17.C1.o8.tm	Method	TBLASTX:Maize
Start	20881	End	21207
GI	none	Score	35
Exons	20881..20904, 20928..20945, 20969..21205, 20992..21207		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41772	Strand	
Start	20881	End	21609
Name	OJ991106_46.9C17.C1.o5.tw	Method	TBLASTX:Wheat
Start	21101	End	21496
GI	none	Score	219
Exons	21101..21496, 21380..21478		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41772	Strand	
Start	20881	End	21609
Name	OJ991106_46.9C17.C1.o4.tm	Method	TBLASTX:Maize
Start	21221	End	21609
GI	none	Score	187
Exons	21221..21424, 21226..21420, 21251..21436, 21436..21525, 21437..21517, 21556..21609, 21567..21608		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41773	Strand	
Start	22028	End	22505
Name	OJ991106_46.9C17.C1.o6.tm	Method	TBLASTX:Maize
Start	22028	End	22439
GI	none	Score	199
Exons	22028..22204, 22029..22247, 22308..22439		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41773	Strand	
Start	22028	End	22505
Name	OJ991106_46.9C17.C1.o3.tw	Method	TBLASTX:Wheat
Start	22049	End	22505
GI	none	Score	176
Exons	22049..22252, 22050..22295, 22311..22418, 22370..22420, 22419..22505		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41774	Strand	
Start	22443	End	23288
Name	OJ991106_46.9C17.C1.o4.ts	Method	TBLASTX:Soybean
Start	22443	End	22772
GI	none	Score	219
Exons	22443..22772, 22539..22619		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41774	Strand	
Start	22443	End	23288
Name	OJ991106_46.9C17.C1.o1.tw	Method	TBLASTX:Wheat
Start	22578	End	23138
GI	none	Score	340
Exons	22578..23039, 22796..23026, 23048..23116, 23049..23138		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41774	Strand	
Start	22443	End	23288
Name	OJ991106_46.9C17.C1.o2.tm	Method	TBLASTX:Maize
Start	22785	End	23210
GI	none	Score	379

Exons	22785..23126, 22796..23116, 23139..23210		
Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41774	Strand	
Start	22443	End	23288
Name	OJ991106_46.9C17.C1.o2.ts	Method	TBLASTX:Soybean
Start	22812	End	23288
GI	none	Score	399
Exons	22812..23288, 22820..23113		
Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41774	Strand	
Start	22443	End	23288
Name	OJ991106_46.9C17.C1.o3.tc	Method	TBLASTX:Cress
Start	22827	End	23273
GI	none	Score	275
Exons	22827..23273		
Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41775	Strand	
Start	23670	End	24901
Name	OJ991106_46.9C17.C1.o6.ts	Method	TBLASTX:Soybean
Start	23670	End	24558
GI	5509260	Score	210
Exons	23670..23951, 23750..23947, 24335..24532, 24388..24558		
GI Descrip.	-		
Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41775	Strand	
Start	23670	End	24901
Name	OJ991106_46.9C17.C1.o5.tm	Method	TBLASTX:Maize
Start	23701	End	24409
GI	none	Score	87
Exons	23701..23925, 23709..23951, 23709..23945, 23756..23956, 24332..24409		
Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41775	Strand	
Start	23670	End	24901
Name	OJ991106_46.9C17.C1.o7.tw	Method	TBLASTX:Wheat
Start	23837	End	24769
GI	none	Score	119
Exons	23837..23962, 23838..23951, 24332..24574, 24388..24570, 24686..24769		
Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41775	Strand	
Start	23670	End	24901
Name	OJ991106_46.9C17.C1.o7.tm	Method	TBLASTX:Maize
Start	24649	End	24901
GI	none	Score	214
Exons	24649..24897, 24665..24901		
Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41776	Strand	
Start	24918	End	25579
Name	OJ991106_46.9C17.C1.o2.tc	Method	TBLASTX:Cress

Start	24918	End	25579
GI	none	Score	175
Exons	24918..25157, 25150..25185, 25151..25198, 25205..25330, 25220..25324, 25328..25579, 25336..25578		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41776	Strand	
Start	24918	End	25579
Name	OJ991106_46.9C17.C1.o3.tm	Method	TBLASTX:Maize
Start	24918	End	25330
GI	none	Score	217
Exons	24918..25148, 24918..25148, 25154..25330		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41776	Strand	
Start	24918	End	25579
Name	OJ991106_46.9C17.C1.o3.ts	Method	TBLASTX:Soybean
Start	24939	End	25576
GI	none	Score	134
Exons	24939..25100, 24944..25105, 25113..25166, 25151..25576, 25182..25226, 25399..25536		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41776	Strand	
Start	24918	End	25579
Name	OJ991106_46.9C17.C1.o4.tw	Method	TBLASTX:Wheat
Start	25157	End	25549
GI	none	Score	131
Exons	25157..25333, 25355..25549, 25369..25548		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41777	Strand	
Start	29262	End	29738
Name	OJ991106_46.9C17.C1.o5.tc	Method	TBLASTX:Cress
Start	29262	End	29735
GI	none	Score	201
Exons	29262..29441, 29263..29442, 29586..29732, 29592..29735		

Seq. No.	20019	Seq. ID	OJ991106_46.9C17.C1
Gene No.	41777	Strand	
Start	29262	End	29738
Name	OJ991106_46.9C17.C1.o5.ts	Method	TBLASTX:Soybean
Start	29262	End	29738
GI	none	Score	109
Exons	29262..29339, 29263..29352, 29350..29442, 29592..29738, 29666..29737		

Seq. No.	20020	Seq. ID	OJ991106_46.9C17.C2
Gene No.	41778	Strand	-
Start	801	End	942
Name	OJ991106_46.9C17.C2.o1.gs	Method	GENSCAN
Start	801	End	942
GI	none	Score	.59
Exons	801..942		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41779	Strand	+

Start	1	End	23020
Name	OJ991106_46.9C17.C3.o3.np	Method	AAT/NAP
Start	1	End	23020
GI	5924306	Score	123
Exons	1..24, 17319..17597, 22960..23020		
GI Descrip.	(AF184590) ADA2-like protein [Plasmodium falciparum]		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41779	Strand	+
Start	1	End	23020
Name	OJ991106_46.9C17.C3.o1.gs	Method	GENSCAN
Start	5995	End	10404
GI	none	Score	.81
Exons	5995..6129, 7437..8360, 8447..8739, 8816..9174, 9252..9439, 9514..9703, 9775..9879, 9953..10404		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41779	Strand	+
Start	1	End	23020
Name	OJ991106_46.9C17.C3.o1.np	Method	AAT/NAP
Start	7476	End	10392
GI	6691716	Score	2489
Exons	7476..8364, 8562..8739, 8816..8918, 8995..9174, 9252..9439, 9514..9615, 9765..9879, 9953..10392		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41779	Strand	+
Start	1	End	23020
Name	OJ991106_46.9C17.C3.o2.gp	Method	AAT/GAP
Start	17218	End	17452
GI	5867_1.R1084	Score	139
Exons	17218..17249, 17355..17452		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41779	Strand	+
Start	1	End	23020
Name	OJ991106_46.9C17.C3.o4.gp	Method	AAT/GAP
Start	21416	End	21917
GI	LIB3477-009-P1-K1-E12	Score	968
Exons	21416..21917		
GI Descrip.	'4544462/gb|AAD22369.1|AC006580_1 3.0e-18 (AC006580) putative NAM protein [Arabidopsis thaliana]'		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41779	Strand	+
Start	1	End	23020
Name	OJ991106_46.9C17.C3.o3.gs	Method	GENSCAN

Start	21513	End	22367
GI	none	Score	.93
Exons	21513..21765, 21877..22367		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41779	Strand	+
Start	1	End	23020
Name	OJ991106_46.9C17.C3.o4.np	Method	AAT/NAP
Start	21573	End	23020
GI	4544462	Score	526
Exons	21573..21769, 21884..22165, 22760..23020		
GI Descrip.	(AC006580) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41780	Strand	-
Start	3760	End	4012
Name	OJ991106_46.9C17.C3.o1.gp	Method	AAT/GAP
Start	3760	End	4012
GI	8022_1.R1084	Score	337
Exons	3760..4012		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41781	Strand	-
Start	10770	End	16857
Name	OJ991106_46.9C17.C3.o2.np	Method	AAT/NAP
Start	10770	End	16857
GI	5922631	Score	6678
Exons	10770..13298, 13905..14831, 14958..15109, 15152..15723, 15769..15971, 16230..16474, 16733..16857		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o10.tw	Method	TBLASTX:Wheat
Start	7596	End	7886
GI	none	Score	214
Exons	7596..7886, 7736..7849		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o4.tw	Method	TBLASTX:Wheat
Start	10746	End	11359
GI	none	Score	95
Exons	10746..10877, 10869..11207, 11071..11199, 11249..11359		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3

Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o5.tm	Method	TBLASTX:Maize
Start	10785	End	11048
GI	none	Score	93
Exons	10785..10886, 10786..10887, 10866..11048, 10867..10926		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o6.tw	Method	TBLASTX:Wheat
Start	11360	End	11729
GI	none	Score	50
Exons	11360..11422, 11361..11546, 11363..11575, 11488..11580, 11548..11724, 11550..11729, 11559..11729		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	11504	End	11868
GI	none	Score	251
Exons	11504..11560, 11535..11867, 11557..11868		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o5.tw	Method	TBLASTX:Wheat
Start	12190	End	12603
GI	none	Score	223
Exons	12190..12603, 12257..12598		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o3.ts	Method	TBLASTX:Soybean
Start	12224	End	12612
GI	none	Score	66
Exons	12224..12364, 12226..12612, 12398..12472, 12518..12604		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o3.tw	Method	TBLASTX:Wheat
Start	12640	End	13075
GI	none	Score	114
Exons	12640..13068, 12641..13069, 12659..13075		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o2.tm	Method	TBLASTX:Maize
Start	12727	End	13171
GI	none	Score	38
Exons	12727..12753, 12751..12894, 12764..12895, 12916..13170, 12917..13171		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o2.ts	Method	TBLASTX:Soybean
Start	12838	End	13269
GI	none	Score	56
Exons	12838..13269, 12872..13042, 12925..13191, 13079..13222		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o2.tw	Method	TBLASTX:Wheat
Start	13114	End	13533
GI	none	Score	232
Exons	13114..13533, 13115..13531		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o3.tm	Method	TBLASTX:Maize
Start	13402	End	13758
GI	none	Score	189
Exons	13402..13758, 13412..13717		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o4.ts	Method	TBLASTX:Soybean
Start	13483	End	13848
GI	none	Score	129
Exons	13483..13617, 13627..13848		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o8.tw	Method	TBLASTX:Wheat
Start	13533	End	13767
GI	none	Score	103
Exons	13533..13661, 13534..13734, 13534..13767, 13535..13735		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	13768	End	14565
GI	none	Score	116
Exons	13768..14061, 13772..13933, 14108..14344, 14110..14340, 14389..14565		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o7.tw	Method	TBLASTX:Wheat
Start	15145	End	15546
GI	none	Score	269
Exons	15145..15546		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	21630	End	22133
GI	none	Score	170
Exons	21630..21776, 21881..21916, 21894..22010, 21894..21965, 21962..22000, 22038..22133		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	21630	End	22133
GI	none	Score	178
Exons	21630..21770, 21879..22019, 22020..22133		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o4.tm	Method	TBLASTX:Maize
Start	21642	End	22153
GI	none	Score	130
Exons	21642..21776, 21879..22040, 21881..21982, 21894..21986, 22047..22142, 22049..22153, 22056..22133		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o9.tw	Method	TBLASTX:Wheat
Start	21894	End	22159
GI	none	Score	138
Exons	21894..22010, 22038..22142, 22049..22159		

Seq. No.	20021	Seq. ID	OJ991106_46.9C17.C3
Gene No.	41782	Strand	-
Start	22630	End	22992
Name	OJ991106_46.9C17.C3.o4.gs	Method	GENSCAN
Start	22630	End	22992
GI	none	Score	.64
Exons	22630..22992		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41783	Strand	+
Start	412	End	647
Name	OJ991106_46.9C17.C4.o1.gs	Method	GENSCAN
Start	412	End	647
GI	none	Score	.78
Exons	412..456, 540..647		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41784	Strand	+
Start	3949	End	4431
Name	OJ991106_46.9C17.C4.o2.gs	Method	GENSCAN
Start	3949	End	4431
GI	none	Score	.66
Exons	3949..4431		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41785	Strand	+
Start	5794	End	6259
Name	OJ991106_46.9C17.C4.o2.np	Method	AAT/NAP
Start	5794	End	6259
GI	1778147	Score	62
Exons	5794..5999, 6140..6259		
GI Descrip.	(U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41786	Strand	+
Start	12321	End	15030
Name	OJ991106_46.9C17.C4.o4.gs	Method	GENSCAN
Start	12321	End	15030
GI	none	Score	.78
Exons	12321..12375, 12389..12588, 13255..13358, 13553..13663, 13742..13892, 14433..14707, 14817..15030		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41786	Strand	+
Start	12321	End	15030
Name	OJ991106_46.9C17.C4.o3.gp	Method	AAT/GAP
Start	12854	End	13379
GI	uC-osflcyp169f03b1	Score	971
Exons	12854..13379		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 1.0e-17 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41786	Strand	+
Start	12321	End	15030
Name	OJ991106_46.9C17.C4.o4.gp	Method	AAT/GAP
Start	14283	End	14474
GI	none	Score	384
Exons	14283..14474		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41787	Strand	-
Start	1619	End	4498
Name	OJ991106_46.9C17.C4.o1.np	Method	AAT/NAP
Start	1619	End	4498
GI	3201611	Score	210
Exons	1619..1690, 1804..1902, 1982..2126, 2211..2421, 2518..2617, 4444..4498		
GI Descrip.	(AC004669) unknown protein [Arabidopsis thaliana]		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41788	Strand	-
Start	5637	End	10100
Name	OJ991106_46.9C17.C4.o3.gs	Method	GENSCAN
Start	5637	End	10100
GI	none	Score	.87
Exons	5637..6816, 7219..7393, 8328..8528, 9887..10100		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4

Gene No.	41788	Strand	-
Start	5637	End	10100
Name	OJ991106_46.9C17.C4.o1.gp	Method	AAT/GAP
Start	7871	End	8216
GI	3769263	Score	664
Exons	7871..8216		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41788	Strand	-
Start	5637	End	10100
Name	OJ991106_46.9C17.C4.o4.np	Method	AAT/NAP
Start	8162	End	10067
GI	3298546	Score	419
Exons	8162..8528, 9887..10067		
GI Descrip.	(AC004681) unknown protein [Arabidopsis thaliana]		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41788	Strand	-
Start	5637	End	10100
Name	OJ991106_46.9C17.C4.o2.gp	Method	AAT/GAP
Start	8293	End	10014
GI	LIB3433-003-Q6-K6-A1	Score	677
Exons	8293..8528, 9887..10014		
GI Descrip.	'3298546 3.0e-20 (AC004681) unknown protein [Arabidopsis thaliana]'		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o11.tm	Method	TBLASTX:Maize
Start	1511	End	1893
GI	none	Score	50
Exons	1511..1573, 1516..1566, 1574..1645, 1634..1717, 1645..1704, 1646..1711, 1815..1892, 1818..1892, 1819..1893, 1819..1893		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o8.tm	Method	TBLASTX:Maize
Start	2158	End	2353
GI	none	Score	172
Exons	2158..2352, 2159..2353, 2163..2351, 2164..2352		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	8200	End	8481
GI	none	Score	212
Exons	8200..8481, 8207..8389		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o5.tm	Method	TBLASTX:Maize
Start	8218	End	8530
GI	none	Score	228

Exons	8218..8475, 8219..8395, 8220..8483, 8488..8529, 8489..8530		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o1.tc	Method	TBLASTX:Cress
Start	8221	End	8475
GI	none	Score	115
Exons	8221..8475, 8228..8395		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o10.tm	Method	TBLASTX:Maize
Start	12507	End	13824
GI	none	Score	125
Exons	12507..12584, 12508..12585, 13253..13357, 13264..13356, 13266..13361, 13550..13663, 13552..13650, 13554..13658, 13735..13824, 13741..13821, 13773..13823		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o3.tm	Method	TBLASTX:Maize
Start	14429	End	15026
GI	none	Score	158
Exons	14429..14542, 14430..14552, 14551..14718, 14554..14655, 14580..14723, 14655..14708, 14814..14894, 14814..14897, 14815..14895, 14815..14901, 14889..14942, 14893..15021, 14930..15010, 14988..15026		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o5.gp	Method	AAT/GAP
Start	15353	End	16398
GI	none	Score	941
Exons	15353..15628, 15914..15994, 16086..16157, 16297..16398		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o9.tm	Method	TBLASTX:Maize
Start	15504	End	16532
GI	none	Score	125
Exons	15504..15590, 15509..15598, 15514..15588, 15596..15628, 15597..15629, 15977..15997, 16083..16163, 16086..16163, 16087..16164, 16285..16332, 16296..16334, 16298..16333, 16332..16403, 16336..16404, 16345..16404, 16476..16532		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o5.np	Method	AAT/NAP
Start	15625	End	19838
GI	6815107	Score	644
Exons	15625..15652, 16585..16815, 17062..17285, 17406..18482,		

	19775..19838		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o5.gs	Method	GENSCAN
Start	15910	End	20863
GI	none	Score	.55
Exons	15910..16085, 16497..17378, 17442..17586, 18067..18558, 18804..18863, 20141..20863		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o6.gp	Method	AAT/GAP
Start	16554	End	16983
GI	none	Score	852
Exons	16554..16983		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o2.tm	Method	TBLASTX:Maize
Start	16557	End	17079
GI	none	Score	59
Exons	16557..16613, 16557..16625, 16558..16647, 16640..16861, 16646..16858, 16648..16860, 16660..16866, 16845..17063, 16864..17079, 16867..17076		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o6.tm	Method	TBLASTX:Maize
Start	17080	End	17346
GI	none	Score	233
Exons	17080..17334, 17080..17346		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	17350	End	17789
GI	none	Score	174
Exons	17350..17514, 17352..17504, 17384..17515, 17494..17649, 17510..17659, 17631..17789, 17666..17788		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	17350	End	17758
GI	none	Score	89
Exons	17350..17658, 17663..17758		
Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4

Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o7.tm	Method	TBLASTX:Maize
Start	17829	End	18049
GI	none	Score	230
Exons	17829..18044, 17830..18045, 17833..18045, 17885..18049		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o6.np	Method	AAT/NAP
Start	18169	End	18593
GI	4768986	Score	215
Exons	18169..18593		
GI Descrip.	(AF140493) hypothetical protein [Oryza sativa]		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o4.tm	Method	TBLASTX:Maize
Start	18205	End	18567
GI	none	Score	206
Exons	18205..18567, 18207..18467, 18208..18567		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o7.np	Method	AAT/NAP
Start	19348	End	20888
GI	6041845	Score	87
Exons	19348..19408, 20691..20888		
GI Descrip.	(AC009853) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20022	Seq. ID	OJ991106_46.9C17.C4
Gene No.	41789	Strand	-
Start	15353	End	20888
Name	OJ991106_46.9C17.C4.o7.gp	Method	AAT/GAP
Start	20404	End	20855
GI	4969151	Score	857
Exons	20404..20855		

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41790	Strand	+
Start	70	End	546
Name	OJ991106_46.9C17.C5.o1.gs	Method	GENSCAN
Start	70	End	546
GI	none	Score	.54
Exons	70..300, 322..546		

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41791	Strand	+
Start	3550	End	3711
Name	OJ991106_46.9C17.C5.o1.gp	Method	AAT/GAP
Start	3550	End	3711
GI	533_1.R1084	Score	173
Exons	3550..3635, 3658..3711		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III		

PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41792	Strand	+
Start	4085	End	4298
Name	OJ991106_46.9C17.C5.o2.gp	Method	AAT/GAP
Start	4085	End	4298
GI	5816500	Score	309
Exons	4085..4298		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 4.0e-44 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41793	Strand	-
Start	64	End	4134
Name	OJ991106_46.9C17.C5.o1.np	Method	AAT/NAP
Start	64	End	4134
GI	6686396	Score	272
Exons	64..91, 1631..2013, 4103..4134		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41793	Strand	-
Start	64	End	4134
Name	OJ991106_46.9C17.C5.o2.gs	Method	GENSCAN
Start	1300	End	2115
GI	none	Score	.82
Exons	1300..1515, 1548..1880, 1882..2115		

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41793	Strand	-
Start	64	End	4134
Name	OJ991106_46.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	1630	End	2013
GI	none	Score	60
Exons	1630..1683, 1632..1892, 1882..2013		

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41793	Strand	-
Start	64	End	4134
Name	OJ991106_46.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	1632	End	1835
GI	none	Score	203
Exons	1632..1835		

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41793	Strand	-
Start	64	End	4134
Name	OJ991106_46.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	1632	End	2031
GI	none	Score	109
Exons	1632..1835, 1713..1874, 1882..2016, 1888..2031		

Seq. No.	20023	Seq. ID	OJ991106_46.9C17.C5
Gene No.	41793	Strand	-

Start	64	End	4134
Name	OJ991106_46.9C17.C5.o3.gs	Method	GENSCAN
Start	2454	End	3382
GI	none	Score	.85
Exons	2454..2537, 3237..3382		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41794	Strand	+
Start	2840	End	9970
Name	OJ991106_46.9C17.C6.o1.gs	Method	GENSCAN
Start	2840	End	9726
GI	none	Score	.86
Exons	2840..2943, 3059..3116, 3261..3364, 3396..3519, 4379..4431, 4829..5160, 5194..5310, 5920..6080, 6858..7055, 7766..7949, 8030..8164, 8397..8524, 8651..8732, 9665..9726		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41794	Strand	+
Start	2840	End	9970
Name	OJ991106_46.9C17.C6.o1.gp	Method	AAT/GAP
Start	8654	End	9970
GI	1382_1.R1084	Score	871
Exons	8654..8732, 8858..8909, 9046..9112, 9665..9970		
GI Descrip.	'3402817/emb|CAA07704| 3.0e-21 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41795	Strand	-
Start	10396	End	11153
Name	OJ991106_46.9C17.C6.o2.gp	Method	AAT/GAP
Start	10064	End	11153
GI	896_1.R1084	Score	1893
Exons	10064..10252, 10362..11153		
GI Descrip.	'3402817/emb|CAA07704| 3.0e-21 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41795	Strand	-
Start	10396	End	11153
Name	OJ991106_46.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	10396	End	10687
GI	none	Score	399
Exons	10396..10686, 10400..10687		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41795	Strand	-
Start	10396	End	11153
Name	OJ991106_46.9C17.C6.o2.gs	Method	GENSCAN
Start	10396	End	11106
GI	none	Score	1
Exons	10396..11106		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41795	Strand	-
Start	10396	End	11153
Name	OJ991106_46.9C17.C6.o1.np	Method	AAT/NAP
Start	10399	End	11106

GI	3885892	Score	1181
Exons	10399..11106		
GI Descrip.	(AF093634) photosystem-1 F subunit precursor [Oryza sativa]		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41795	Strand	-
Start	10396	End	11153
Name	OJ991106_46.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	10399	End	10866
GI	none	Score	665
Exons	10399..10866, 10400..10864		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41795	Strand	-
Start	10396	End	11153
Name	OJ991106_46.9C17.C6.o1.tc	Method	TBLASTX:Cress
Start	10403	End	10872
GI	none	Score	437
Exons	10403..10864, 10414..10872		

Seq. No.	20024	Seq. ID	OJ991106_46.9C17.C6
Gene No.	41795	Strand	-
Start	10396	End	11153
Name	OJ991106_46.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	10414	End	10872
GI	none	Score	457
Exons	10414..10872, 10415..10864		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41796	Strand	-
Start	6742	End	6975
Name	OJ991106_46.9C17.C7.o2.gs	Method	GENSCAN
Start	6742	End	6975
GI	none	Score	.53
Exons	6742..6975		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o3.gs	Method	GENSCAN
Start	8166	End	12239
GI	none	Score	.55
Exons	8166..8572, 9730..10601, 10825..12239		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o1.gp	Method	AAT/GAP
Start	8634	End	8922
GI	426253	Score	518
Exons	8634..8922		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o5.tw	Method	TBLASTX:Wheat
Start	9192	End	9546

GI	none	Score	94
Exons	9192..9221, 9193..9321, 9265..9318, 9333..9395, 9357..9392, 9378..9476, 9394..9501, 9407..9499, 9502..9546, 9514..9546		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o1.np	Method	AAT/NAP
Start	9683	End	12337
GI	6630696	Score	4616
Exons	9683..12337		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	9819	End	10294
GI	none	Score	410
Exons	9819..10205, 9821..10204, 10194..10289, 10220..10294, 10221..10289, 10234..10293		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o3.ts	Method	TBLASTX:Soybean
Start	9947	End	10288
GI	none	Score	96
Exons	9947..10156, 10026..10151, 10175..10288, 10185..10253		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	10151	End	10522
GI	none	Score	318
Exons	10151..10522, 10152..10499		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o4.ts	Method	TBLASTX:Soybean
Start	10298	End	10650
GI	none	Score	75
Exons	10298..10480, 10301..10489, 10302..10490, 10490..10609, 10603..10650, 10608..10649		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	10502	End	11048
GI	none	Score	72
Exons	10502..10612, 10608..10709, 10704..11048, 10867..11031		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	10605	End	11049
GI	none	Score	61
Exons	10605..11048, 10687..10797, 10833..10913, 10918..11049		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	10719	End	11183
GI	5509260	Score	103
Exons	10719..11183, 10927..11088		
GI Descrip.	-		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	10830	End	11090
GI	none	Score	110
Exons	10830..11090, 10918..11088		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	11103	End	11850
GI	none	Score	111
Exons	11103..11357, 11103..11843, 11353..11850, 11443..11850		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	11508	End	11906
GI	none	Score	107
Exons	11508..11681, 11685..11906, 11689..11904		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	11694	End	12158
GI	none	Score	78
Exons	11694..12158, 11767..11919		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o4.tw	Method	TBLASTX:Wheat
Start	11851	End	12053
GI	none	Score	227
Exons	11851..12051, 11852..12043, 11853..12053, 11853..12050		

Seq. No.	20025	Seq. ID	OJ991106_46.9C17.C7
Gene No.	41797	Strand	-
Start	8166	End	12337
Name	OJ991106_46.9C17.C7.o5.ts	Method	TBLASTX:Soybean
Start	11916	End	12296
GI	none	Score	88
Exons	11916..12164, 12147..12296		

Seq. No.	20026	Seq. ID	OJ991106_46.9C17.C8
Gene No.	41798	Strand	-
Start	1	End	938
Name	OJ991106_46.9C17.C8.o1.gp	Method	AAT/GAP
Start	1	End	787
GI	101595_1.R1084	Score	1347
Exons	1..787		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	20026	Seq. ID	OJ991106_46.9C17.C8
Gene No.	41798	Strand	-
Start	1	End	938
Name	OJ991106_46.9C17.C8.o1.np	Method	AAT/NAP
Start	1	End	829
GI	6630696	Score	1427
Exons	1..829		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	20026	Seq. ID	OJ991106_46.9C17.C8
Gene No.	41798	Strand	-
Start	1	End	938
Name	OJ991106_46.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	479	End	787
GI	none	Score	111
Exons	479..787, 482..658, 544..687, 558..740		

Seq. No.	20026	Seq. ID	OJ991106_46.9C17.C8
Gene No.	41798	Strand	-
Start	1	End	938
Name	OJ991106_46.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	538	End	938
GI	none	Score	156
Exons	538..720, 539..823, 558..749, 800..937, 837..938		

Seq. No.	20027	Seq. ID	OJ991106_46.9C17.C9
Gene No.	41799	Strand	-
Start	1041	End	1784
Name	OJ991106_46.9C17.C9.o1.gs	Method	GENSCAN
Start	1041	End	1784
GI	none	Score	.69
Exons	1041..1181, 1714..1784		

Seq. No.	20028	Seq. ID	OJ991106_46.9C17.C10
Gene No.	41800	Strand	+
Start	1036	End	3156
Name	OJ991106_46.9C17.C10.o1.np	Method	AAT/NAP

Start	1036	End	3156
GI	118124	Score	101
Exons	1036..1269, 3113..3156		
GI Descrip.	CYSTEINE PROTEINASE EP-B 4 PRECURSOR gi|82386|pir||JQ1110 cysteine proteinase (EC 3.4.22.-) EP-B 4 precursor - barley gi|1146118 (U19384) cysteine proteinase EPB2 precursor [Hordeum vulgare]		

Seq. No.	20029	Seq. ID	OJ991106_46.9C17.C11
Gene No.	41801	Strand	+
Start	367	End	609
Name	OJ991106_46.9C17.C11.o1.gs	Method	GENSCAN
Start	367	End	609
GI	none	Score	.5
Exons	367..379, 475..609		

Seq. No.	20030	Seq. ID	OJ991106_46.9C17.C12
Gene No.	41802	Strand	-
Start	38	End	325
Name	OJ991106_46.9C17.C12.o1.gs	Method	GENSCAN
Start	38	End	325
GI	none	Score	.78
Exons	38..199, 281..325		

Seq. No.	20031	Seq. ID	OJ991106_46.9C17.C14
Gene No.	41803	Strand	-
Start	36	End	365
Name	OJ991106_46.9C17.C14.o1.gs	Method	GENSCAN
Start	36	End	365
GI	none	Score	.47
Exons	36..243, 256..365		

Seq. No.	20032	Seq. ID	OJ991106_34.9C09.C1
Gene No.	41804	Strand	+
Start	1	End	728
Name	OJ991106_34.9C09.C1.o1.np	Method	AAT/NAP
Start	1	End	728
GI	2498930	Score	78
Exons	1..55, 477..541, 709..728		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20032	Seq. ID	OJ991106_34.9C09.C1
Gene No.	41804	Strand	+
Start	1	End	728
Name	OJ991106_34.9C09.C1.o1.gs	Method	GENSCAN
Start	482	End	541
GI	none	Score	.94
Exons	482..541		

Seq. No.	20033	Seq. ID	OJ991106_34.9C09.C2
Gene No.	41805	Strand	-
Start	414	End	1146
Name	OJ991106_34.9C09.C2.o1.gs	Method	GENSCAN
Start	414	End	1146
GI	none	Score	.75
Exons	414..580, 1032..1146		

Seq. No.	20034	Seq. ID	OJ991106_34.9C09.C3
Gene No.	41806	Strand	+
Start	512	End	1013
Name	OJ991106_34.9C09.C3.o1.gs	Method	GENSCAN
Start	512	End	1013
GI	none	Score	.65
Exons	512..784, 901..1013		

Seq. No.	20035	Seq. ID	OJ991106_34.9C09.C4
Gene No.	41807	Strand	-
Start	1	End	570
Name	OJ991106_34.9C09.C4.o1.np	Method	AAT/NAP
Start	1	End	570
GI	5803259	Score	878
Exons	1..570		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	20036	Seq. ID	OJ991106_34.9C09.C5
Gene No.	41808	Strand	+
Start	1	End	266
Name	OJ991106_34.9C09.C5.o1.gp	Method	AAT/GAP
Start	1	End	266
GI	1088_1.R1084	Score	438
Exons	1..266		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	20036	Seq. ID	OJ991106_34.9C09.C5
Gene No.	41809	Strand	-
Start	44	End	217
Name	OJ991106_34.9C09.C5.o1.gs	Method	GENSCAN
Start	44	End	217
GI	none	Score	.75
Exons	44..217		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41810	Strand	+
Start	16777	End	17884
Name	OJ991106_34.9C09.C6.o3.gs	Method	GENSCAN
Start	16777	End	17884
GI	none	Score	.89
Exons	16777..17244, 17255..17884		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41810	Strand	+
Start	16777	End	17884
Name	OJ991106_34.9C09.C6.o2.np	Method	AAT/NAP
Start	16804	End	17881
GI	3219273	Score	1000
Exons	16804..16973, 17013..17881		
GI Descrip.	(AB015316) MAP kinase kinase 5 [Arabidopsis thaliana]		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41811	Strand	+
Start	31933	End	33310
Name	OJ991106_34.9C09.C6.o5.np	Method	AAT/NAP

Start	31933	End	33307
GI	5262758	Score	293
Exons	31933..32084, 32897..33307		
GI Descrip.	(AL080283) pathogenesis-related protein homolog [Arabidopsis thaliana]		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41811	Strand	+
Start	31933	End	33310
Name	OJ991106_34.9C09.C6.o5.gs	Method	GENSCAN
Start	32774	End	33310
GI	none	Score	1
Exons	32774..33310		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41812	Strand	-
Start	1	End	1290
Name	OJ991106_34.9C09.C6.o1.gp	Method	AAT/GAP
Start	1	End	776
GI	23011_1.R1084	Score	797
Exons	1..206, 277..402, 665..776		
GI Descrip.	'3063710/emb|CAA18601.1| 3.0e-74 (AL022537) putative protein [Arabidopsis thaliana]'		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41812	Strand	-
Start	1	End	1290
Name	OJ991106_34.9C09.C6.o1.np	Method	AAT/NAP
Start	1	End	1290
GI	6751714	Score	685
Exons	1..206, 277..418, 648..1290		
GI Descrip.	(AC018848) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41812	Strand	-
Start	1	End	1290
Name	OJ991106_34.9C09.C6.o1.gs	Method	GENSCAN
Start	277	End	1248
GI	none	Score	.68
Exons	277..402, 665..1248		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41813	Strand	-
Start	3235	End	3657
Name	OJ991106_34.9C09.C6.o2.gp	Method	AAT/GAP
Start	3235	End	3657
GI	none	Score	732
Exons	3235..3657		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41813	Strand	-
Start	3235	End	3657
Name	OJ991106_34.9C09.C6.o3.gp	Method	AAT/GAP
Start	3245	End	3657
GI	none	Score	731
Exons	3245..3657		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41814	Strand	-
Start	18220	End	30655
Name	OJ991106_34.9C09.C6.o4.gs	Method	GENSCAN
Start	18220	End	30453
GI	none	Score	.66
Exons	18220..18362, 19394..19514, 20700..20828, 21958..22644, 22710..23177, 23968..24069, 24190..24451, 25414..25719, 25779..25900, 25944..26080, 26115..26382, 26659..26712, 27627..27724, 27947..28064, 28952..29203, 29357..29427, 30025..30092, 30193..30281, 30376..30453		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41814	Strand	-
Start	18220	End	30655
Name	OJ991106_34.9C09.C6.o3.np	Method	AAT/NAP
Start	21872	End	26346
GI	4337196	Score	1835
Exons	21872..23177, 23968..24220, 24297..24455, 25363..25658, 25762..25900, 25986..26033, 26087..26346		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41814	Strand	-
Start	18220	End	30655
Name	OJ991106_34.9C09.C6.o4.gp	Method	AAT/GAP
Start	27191	End	27680
GI	none	Score	160
Exons	27191..27248, 27627..27680		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41814	Strand	-
Start	18220	End	30655
Name	OJ991106_34.9C09.C6.o4.np	Method	AAT/NAP
Start	27918	End	30655
GI	4539295	Score	497
Exons	27918..28058, 28158..28220, 28275..28401, 28542..28635, 28952..29225, 29349..29453, 30021..30092, 30193..30359, 30518..30655		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41814	Strand	-
Start	18220	End	30655
Name	OJ991106_34.9C09.C6.o5.gp	Method	AAT/GAP
Start	28003	End	28622
GI	uC-osrocyp033f07b1	Score	576
Exons	28003..28064, 28164..28216, 28322..28377, 28472..28622		
GI Descrip.	'3540182 2.0e-23 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o7.tm	Method	TBLASTX:Maize
Start	8	End	246

GI	none	Score	98
Exons	8..193, 8..208, 12..209, 18..215, 118..246		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o3.tc	Method	TBLASTX:Cress
Start	89	End	405
GI	none	Score	144
Exons	89..208, 90..209, 252..404, 258..383, 277..405		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o4.ts	Method	TBLASTX:Soybean
Start	125	End	428
GI	none	Score	104
Exons	125..208, 126..209, 126..209, 127..222, 250..420, 252..428		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o3.tm	Method	TBLASTX:Maize
Start	273	End	1252
GI	none	Score	154
Exons	273..404, 273..404, 274..405, 664..720, 665..724, 668..724, 715..1014, 723..1070, 730..1050, 1051..1236, 1052..1252, 1059..1238		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o5.ts	Method	TBLASTX:Soybean
Start	802	End	1002
GI	none	Score	76
Exons	802..1002, 808..939, 812..988		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o1.tm	Method	TBLASTX:Maize
Start	11148	End	22788
GI	none	Score	69
Exons	11148..11252, 17270..17311, 17390..17479, 22066..22599, 22084..22407, 22175..22600, 22629..22772, 22629..22787, 22633..22788		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o1.tc	Method	TBLASTX:Cress
Start	16852	End	22524
GI	none	Score	79
Exons	16852..16899, 17059..17208, 17067..17207, 17243..17641, 17257..17307, 17401..17556, 17590..17643, 17654..17824, 17659..17697, 22435..22524		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o8.tm	Method	TBLASTX:Maize
Start	17058	End	17208
GI	none	Score	230
Exons	17058..17207, 17059..17208		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o4.tm	Method	TBLASTX:Maize
Start	17220	End	17830
GI	none	Score	53
Exons	17220..17267, 17240..17320, 17242..17319, 17341..17385, 17342..17386, 17480..17830, 17485..17697, 17606..17698, 17752..17829		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o1.ts	Method	TBLASTX:Soybean
Start	17242	End	22524
GI	none	Score	584
Exons	17242..17643, 17243..17641, 17654..17827, 17656..17697, 22316..22387, 22435..22524		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o2.tw	Method	TBLASTX:Wheat
Start	17390	End	22673
GI	none	Score	88
Exons	17390..17476, 22267..22395, 22432..22590, 22629..22673		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o2.tc	Method	TBLASTX:Cress
Start	22051	End	22426
GI	none	Score	131
Exons	22051..22323, 22163..22324, 22324..22425, 22325..22426		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o6.ts	Method	TBLASTX:Soybean
Start	22069	End	22287
GI	none	Score	103
Exons	22069..22287, 22163..22285		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o2.ts	Method	TBLASTX:Soybean
Start	22525	End	22925
GI	none	Score	70

Exons	22525..22599, 22526..22600, 22629..22796, 22629..22925, 22633..22923		
Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o4.tc	Method	TBLASTX:Cress
Start	22525	End	22818
GI	none	Score	55
Exons	22525..22599, 22526..22600, 22629..22745, 22636..22746, 22743..22814, 22744..22818		
Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o10.tm	Method	TBLASTX:Maize
Start	22788	End	24072
GI	none	Score	121
Exons	22788..22925, 22789..22926, 22927..22974, 23938..24072, 23987..24028, 23989..24042		
Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o6.tm	Method	TBLASTX:Maize
Start	24243	End	26048
GI	none	Score	94
Exons	24243..24335, 24256..24330, 24316..24375, 24328..24396, 25524..25595, 25525..25602, 25596..25673, 25597..25704, 25778..25900, 25782..25895, 25889..25948, 25954..26043, 25983..26045, 25986..26048		
Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o5.tc	Method	TBLASTX:Cress
Start	25554	End	26290
GI	none	Score	81
Exons	25554..25595, 25596..25679, 25778..25891, 25974..26054, 26143..26289, 26204..26290		
Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o7.tc	Method	TBLASTX:Cress
Start	27666	End	28587
GI	none	Score	75
Exons	27666..27731, 28020..28046, 28164..28214, 28314..28376, 28442..28576, 28471..28587		
Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o5.tm	Method	TBLASTX:Maize
Start	27948	End	29052
GI	none	Score	108
Exons	27948..28064, 27948..28067, 28161..28214, 28162..28215,		

28169..28216, 28314..28376, 28318..28383, 28319..28393,
28486..28638, 28487..28639, 28949..29029, 28950..29030,
28954..29052

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o7.ts	Method	TBLASTX:Soybean
Start	28314	End	29057
GI	none	Score	126

Exons 28314..28376, 28474..28638, 28481..28639, 28949..29038,
28950..29057

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o3.tw	Method	TBLASTX:Wheat
Start	28949	End	29416
GI	none	Score	89

Exons 28949..29065, 28950..29030, 29096..29206, 29106..29168,
29354..29416

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o9.tm	Method	TBLASTX:Maize
Start	30023	End	30383
GI	none	Score	84

Exons 30023..30094, 30023..30106, 30024..30107, 30024..30095,
30186..30227, 30186..30227, 30297..30383, 30330..30371

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o3.ts	Method	TBLASTX:Soybean
Start	32888	End	34638
GI	none	Score	66

Exons 32888..33019, 33077..33175, 34336..34440, 34337..34441,
34441..34638, 34442..34600

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o6.tc	Method	TBLASTX:Cress
Start	32891	End	34615
GI	none	Score	90

Exons 32891..33019, 33053..33247, 33257..33310, 34187..34237,
34189..34263, 34190..34264, 34231..34443, 34265..34459,
34441..34461, 34486..34614, 34487..34615

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o1.tw	Method	TBLASTX:Wheat
Start	32900	End	34617
GI	none	Score	82

Exons 32900..33019, 33077..33241, 33257..33307, 34204..34281,

34208..34264, 34271..34441, 34273..34440, 34441..34461, 34486..34617, 34496..34600

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o2.tm	Method	TBLASTX:Maize
Start	32951	End	34692
GI	none	Score	64
Exons	32951..33019, 33050..33310, 34192..34650, 34205..34615, 34642..34692		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o8.ts	Method	TBLASTX:Soybean
Start	33179	End	34332
GI	none	Score	149
Exons	33179..33310, 34198..34332, 34208..34294		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o6.gs	Method	GENSCAN
Start	34201	End	35658
GI	none	Score	.58
Exons	34201..34812, 35217..35360, 35422..35658		

Seq. No.	20037	Seq. ID	OJ991106_34.9C09.C6
Gene No.	41815	Strand	-
Start	34201	End	35658
Name	OJ991106_34.9C09.C6.o6.np	Method	AAT/NAP
Start	34204	End	35336
GI	4539296	Score	491
Exons	34204..34623, 35172..35336		
GI Descrip.	(AL049480) putative pathogenesis-related protein [Arabidopsis thaliana]		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41816	Strand	+
Start	9045	End	12647
Name	OJ991106_34.9C09.C7.o3.gs	Method	GENSCAN
Start	9045	End	12647
GI	none	Score	.56
Exons	9045..9082, 9732..10200, 10663..10728, 10741..11049, 11092..11246, 11781..11954, 12464..12647		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41817	Strand	-
Start	5049	End	7611
Name	OJ991106_34.9C09.C7.o1.np	Method	AAT/NAP
Start	4748	End	7611
GI	6503308	Score	68
Exons	4748..4774, 6921..7076, 7507..7611		
GI Descrip.	(AC011713) Contains PF|00646 F-box domain. ESTs gb|AA586135, gb|Z26675, gb|AI993239 and gb|AA585907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41817	Strand	-
Start	5049	End	7611
Name	OJ991106_34.9C09.C7.o2.gs	Method	GENSCAN
Start	5049	End	7064
GI	none	Score	.89
Exons	5049..5345, 5895..6047, 6147..7064		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41818	Strand	-
Start	9357	End	9458
Name	OJ991106_34.9C09.C7.o2.np	Method	AAT/NAP
Start	9357	End	9458
GI	5852084	Score	75
Exons	9357..9458		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41819	Strand	-
Start	10744	End	11257
Name	OJ991106_34.9C09.C7.o3.np	Method	AAT/NAP
Start	10744	End	11257
GI	2500715	Score	475
Exons	10744..11257		
GI Descrip.	PATHOGENESIS-RELATED PROTEIN PR-1 PRECURSOR gi|629627|pir||S47171 gene PR-1 protein - barrel medic gi|505553|emb|CAA56174| (X79778) PR-1 [Medicago truncatula]		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41820	Strand	-
Start	13667	End	14099
Name	OJ991106_34.9C09.C7.o1.ts	Method	TBLASTX:Soybean
Start	10729	End	14064
GI	none	Score	102
Exons	10729..10890, 10757..10891, 10885..10977, 10938..11030, 10975..11139, 13758..13790, 13759..13911, 13832..13912, 14005..14064		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41820	Strand	-
Start	13667	End	14099
Name	OJ991106_34.9C09.C7.o1.tc	Method	TBLASTX:Cress
Start	10741	End	14059
GI	none	Score	121
Exons	10741..10887, 10757..10888, 10888..10950, 10957..11181, 10958..11158, 13756..13899, 13820..13900, 13973..14059, 13987..14058		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41820	Strand	-
Start	13667	End	14099
Name	OJ991106_34.9C09.C7.o1.tm	Method	TBLASTX:Maize
Start	10744	End	14065
GI	none	Score	101
Exons	10744..10890, 10751..10891, 10885..10977, 10975..11040, 10979..11044, 11050..11139, 13762..13899, 13820..13900,		

14005..14064, 14009..14065

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41820	Strand	-
Start	13667	End	14099
Name	OJ991106_34.9C09.C7.o1.tw	Method	TBLASTX:Wheat
Start	10744	End	14065
GI	none	Score	94
Exons	10744..10890, 10751..10891, 10884..11030, 10885..11139, 13762..13899, 13820..13900, 13951..14064, 13964..14065		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41820	Strand	-
Start	13667	End	14099
Name	OJ991106_34.9C09.C7.o4.gs	Method	GENSCAN
Start	13667	End	14005
GI	none	Score	.6
Exons	13667..14005		

Seq. No.	20038	Seq. ID	OJ991106_34.9C09.C7
Gene No.	41820	Strand	-
Start	13667	End	14099
Name	OJ991106_34.9C09.C7.o4.np	Method	AAT/NAP
Start	13762	End	14099
GI	2500715	Score	296
Exons	13762..14099		
GI Descrip.	PATHOGENESIS-RELATED PROTEIN PR-1 PRECURSOR gi|629627|pir||S47171 gene PR-1 protein - barrel medic gi|505553|emb|CAA56174| (X79778) PR-1 [Medicago truncatula]		

Seq. No.	20039	Seq. ID	OJ991106_34.9C09.C8
Gene No.	41821	Strand	-
Start	1	End	64
Name	OJ991106_34.9C09.C8.o1.gp	Method	AAT/GAP
Start	1	End	64
GI	568276	Score	124
Exons	1..64		

Seq. No.	20039	Seq. ID	OJ991106_34.9C09.C8
Gene No.	41822	Strand	-
Start	2249	End	6235
Name	OJ991106_34.9C09.C8.o2.gs	Method	GENSCAN
Start	2249	End	6235
GI	none	Score	.87
Exons	2249..3080, 3371..3500, 4478..4872, 5179..5216, 5848..5900, 5992..6235		

Seq. No.	20039	Seq. ID	OJ991106_34.9C09.C8
Gene No.	41822	Strand	-
Start	2249	End	6235
Name	OJ991106_34.9C09.C8.o1.np	Method	AAT/NAP
Start	2714	End	4613
GI	3941448	Score	523
Exons	2714..2780, 2811..2881, 2916..3080, 3371..3500, 4478..4613		
GI Descrip.	(AF062878) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	20039	Seq. ID	OJ991106_34.9C09.C8

Gene No.	41823	Strand	-
Start	7345	End	7408
Name	OJ991106_34.9C09.C8.o1.tm	Method	TBLASTX:Maize
Start	2936	End	4634
GI	none	Score	78
Exons	2936..3082, 2937..2996, 3051..3083, 3365..3484, 3370..3477, 3370..3504, 3481..3507, 4479..4634, 4480..4620		

Seq. No.	20039	Seq. ID	OJ991106_34.9C09.C8
Gene No.	41823	Strand	-
Start	7345	End	7408
Name	OJ991106_34.9C09.C8.o1.tc	Method	TBLASTX:Cress
Start	2984	End	4614
GI	none	Score	130
Exons	2984..3082, 3365..3496, 3370..3495, 3370..3504, 4476..4613, 4477..4614		

Seq. No.	20039	Seq. ID	OJ991106_34.9C09.C8
Gene No.	41823	Strand	-
Start	7345	End	7408
Name	OJ991106_34.9C09.C8.o1.ts	Method	TBLASTX:Soybean
Start	2990	End	4655
GI	none	Score	101
Exons	2990..3082, 3370..3498, 3370..3501, 4476..4655, 4477..4623		

Seq. No.	20039	Seq. ID	OJ991106_34.9C09.C8
Gene No.	41823	Strand	-
Start	7345	End	7408
Name	OJ991106_34.9C09.C8.o1.tw	Method	TBLASTX:Wheat
Start	3008	End	4649
GI	none	Score	57
Exons	3008..3094, 3051..3083, 3365..3499, 3370..3498, 3370..3504, 4476..4649, 4477..4626, 4562..4633		

Seq. No.	20039	Seq. ID	OJ991106_34.9C09.C8
Gene No.	41823	Strand	-
Start	7345	End	7408
Name	OJ991106_34.9C09.C8.o3.gs	Method	GENSCAN
Start	7345	End	7408
GI	none	Score	.77
Exons	7345..7408		

Seq. No.	20040	Seq. ID	OJ991106_34.9C09.C9
Gene No.	41824	Strand	+
Start	264	End	1289
Name	OJ991106_34.9C09.C9.o1.gs	Method	GENSCAN
Start	264	End	1289
GI	none	Score	.78
Exons	264..319, 1112..1289		

Seq. No.	20040	Seq. ID	OJ991106_34.9C09.C9
Gene No.	41825	Strand	-
Start	823	End	1334
Name	OJ991106_34.9C09.C9.o1.gp	Method	AAT/GAP
Start	823	End	1334
GI	none	Score	726
Exons	823..1194, 1285..1334		

Seq. No.	20040	Seq. ID	OJ991106_34.9C09.C9
Gene No.	41826	Strand	-
Start	1456	End	1607
Name	OJ991106_34.9C09.C9.o1.tm	Method	TBLASTX:Maize
Start	1444	End	1606
GI	none	Score	170
Exons	1444..1605, 1468..1605, 1469..1606		

Seq. No.	20040	Seq. ID	OJ991106_34.9C09.C9
Gene No.	41826	Strand	-
Start	1456	End	1607
Name	OJ991106_34.9C09.C9.o1.np	Method	AAT/NAP
Start	1456	End	1607
GI	5541667	Score	108
Exons	1456..1607		
GI Descrip.	(AL096859) putative protein [Arabidopsis thaliana]		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41827	Strand	+
Start	4770	End	5554
Name	OJ991106_34.9C09.C10.o2.gs	Method	GENSCAN
Start	4770	End	5554
GI	none	Score	.89
Exons	4770..4856, 4952..5203, 5492..5554		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41828	Strand	+
Start	9280	End	9793
Name	OJ991106_34.9C09.C10.o2.gp	Method	AAT/GAP
Start	9280	End	9793
GI	none	Score	967
Exons	9280..9793		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41829	Strand	+
Start	10970	End	11367
Name	OJ991106_34.9C09.C10.o3.gp	Method	AAT/GAP
Start	10970	End	11367
GI	none	Score	777
Exons	10970..11367		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41830	Strand	-
Start	1	End	6701
Name	OJ991106_34.9C09.C10.o1.np	Method	AAT/NAP
Start	1	End	6701
GI	4966348	Score	841
Exons	1..22, 330..439, 553..675, 767..914, 994..1157, 1324..1484, 1559..1976, 2012..3063, 3343..4007, 6646..6701		
GI Descrip.	(AC006341) Contains PF|00069 Eukaryotic protein kinase domain. ESTs gb|H37741, gb|T43005 and gb|AI100340 come from this gene. [Arabidopsis thaliana]		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41830	Strand	-
Start	1	End	6701

Name	OJ991106_34.9C09.C10.o2.np	Method	AAT/NAP
Start	1	End	5513
GI	3033400	Score	788
Exons	1..22, 338..439, 553..675, 767..917, 1000..1157, 1324..1497, 1537..2562, 2700..4007, 5465..5513		
GI Descrip.	(AC004238) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41830	Strand	-
Start	1	End	6701
Name	OJ991106_34.9C09.C10.o1.gs	Method	GENSCAN
Start	330	End	4044
GI	none	Score	.61
Exons	330..439, 553..731, 817..893, 994..1157, 1324..1476, 1561..1671, 1748..2147, 2303..4044		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41830	Strand	-
Start	1	End	6701
Name	OJ991106_34.9C09.C10.o1.gp	Method	AAT/GAP
Start	518	End	1146
GI	2427702	Score	768
Exons	518..675, 767..914, 994..1146		
GI Descrip.	4835752/gb|AAD30219.1|AC007202_1 2.0e-52 (AC007202) Is a member of the PF_00069 Eukaryotic protein kinase family. ESTs gb_T46484, gb_AF066875 and gb_N96237 come from this gene. [Arabidopsis thaliana]		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o1.ts	Method	TBLASTX:Soybean
Start	338	End	1486
GI	none	Score	74
Exons	338..439, 351..443, 371..469, 526..678, 536..673, 568..681, 756..908, 761..919, 764..916, 990..1151, 990..1151, 991..1158, 1324..1482, 1329..1442, 1331..1486		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o2.tm	Method	TBLASTX:Maize
Start	350	End	1495
GI	none	Score	78
Exons	350..439, 351..443, 382..441, 526..678, 530..673, 537..674, 551..697, 553..681, 756..917, 764..916, 994..1089, 1002..1094, 1063..1152, 1098..1151, 1299..1358, 1324..1482, 1331..1495		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o2.tw	Method	TBLASTX:Wheat
Start	350	End	781
GI	none	Score	89
Exons	350..439, 356..442, 382..441, 548..664, 550..678, 551..670, 583..681, 764..781		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o1.tc	Method	TBLASTX:Cress
Start	568	End	1161
GI	none	Score	78
Exons	568..624, 586..627, 587..655, 622..678, 623..673, 756..908, 761..919, 764..916, 990..1151, 994..1152, 997..1161		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o1.tw	Method	TBLASTX:Wheat
Start	848	End	1482
GI	none	Score	67
Exons	848..916, 849..917, 993..1151, 994..1152, 1324..1482, 1331..1438, 1336..1479		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o3.tc	Method	TBLASTX:Cress
Start	1324	End	1482
GI	none	Score	113
Exons	1324..1482, 1331..1480, 1332..1481		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o1.tm	Method	TBLASTX:Maize
Start	1907	End	2550
GI	none	Score	84
Exons	1907..1963, 1908..1958, 1950..2177, 1973..2188, 1973..2179, 2145..2324, 2182..2325, 2221..2325, 2320..2469, 2327..2467, 2340..2483, 2467..2550, 2468..2548		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o5.tm	Method	TBLASTX:Maize
Start	2776	End	3273
GI	none	Score	143
Exons	2776..2934, 2777..2911, 2902..3069, 2913..3068, 2917..3069, 3094..3273, 3106..3270		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o5.ts	Method	TBLASTX:Soybean
Start	3655	End	3993
GI	none	Score	209
Exons	3655..3993		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o3.gs	Method	GENSCAN

Start	8644	End	19004
GI	none	Score	.51
Exons	8644..9048, 9517..9876, 11490..11552, 12605..12740, 12819..12949, 13031..13089, 13131..13230, 13397..13454, 13759..13941, 14080..14192, 15147..15323, 15521..15574, 15698..15872, 15951..16093, 16171..16342, 16661..16866, 17037..17415, 17802..18217, 18344..18425, 18523..19004		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o3.tm	Method	TBLASTX:Maize
Start	11206	End	13455
GI	none	Score	34
Exons	11206..11229, 11284..11409, 11291..11422, 11299..11412, 11481..11582, 11492..11554, 11757..11888, 11757..11882, 11762..11890, 12390..12521, 12441..12521, 12442..12522, 12602..12748, 12603..12749, 12605..12748, 12804..12950, 12806..12949, 12820..12951, 12861..12953, 13023..13100, 13028..13102, 13031..13075, 13154..13231, 13162..13230, 13169..13273, 13170..13271, 13394..13453, 13395..13454, 13396..13455, 13396..13455		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o3.np	Method	AAT/NAP
Start	11308	End	18998
GI	6850839	Score	3006
Exons	11308..11406, 11490..11552, 11763..11879, 12444..12521, 12608..12740, 12822..12949, 13031..13072, 13171..13230, 13397..13454, 13759..13941, 14080..14225, 15147..15323, 15521..15601, 15698..15875, 15951..16090, 16171..16366, 16661..16884, 16986..17415, 17802..18217, 18344..18425, 18730..18998		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o3.ts	Method	TBLASTX:Soybean
Start	12462	End	12743
GI	none	Score	156
Exons	12462..12521, 12472..12528, 12564..12743, 12603..12737, 12605..12742		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o2.tc	Method	TBLASTX:Cress
Start	12641	End	13231
GI	none	Score	67
Exons	12641..12742, 12642..12743, 12827..12949, 12873..12950, 13028..13078, 13154..13231, 13162..13230		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-

Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o4.gp	Method	AAT/GAP
Start	12891	End	14161
GI	uC-osflcyp141e02b1	Score	832
Exons	12891..12949, 13031..13072, 13171..13230, 13397..13454, 13759..13941, 14080..14161		
GI Descrip.	'5901808/gb|AAD55412.1|AF181626_1 5.0e-13 (AF181626) BcDNA.GH03694 [Drosophila melanogaster]'		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o5.gp	Method	AAT/GAP
Start	15147	End	15975
GI	2310509	Score	783
Exons	15147..15323, 15521..15574, 15698..15872, 15951..15975		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o4.tm	Method	TBLASTX:Maize
Start	15176	End	16093
GI	none	Score	218
Exons	15176..15241, 15177..15332, 15177..15248, 15287..15331, 15294..15332, 15519..15578, 15523..15579, 15527..15577, 15695..15865, 15695..15874, 15696..15875, 15696..15875, 15945..15980, 15950..15970, 15959..16093, 15968..16087, 15969..16091		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o4.ts	Method	TBLASTX:Soybean
Start	15695	End	15875
GI	none	Score	145
Exons	15695..15874, 15696..15875, 15768..15875		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o2.ts	Method	TBLASTX:Soybean
Start	16645	End	17328
GI	none	Score	159
Exons	16645..16878, 16648..16881, 16649..16882, 16658..16888, 16983..17159, 16983..17171, 16984..17175, 17050..17175, 17245..17325, 17263..17328, 17265..17327		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o4.np	Method	AAT/NAP
Start	17160	End	21995
GI	3080398	Score	247
Exons	17160..17287, 20473..20651, 20752..20836, 21092..21266, 21355..21558, 21864..21995		
GI Descrip.	(AL022603) putative protein [Arabidopsis thaliana]		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o7.tm	Method	TBLASTX:Maize
Start	17298	End	17946
GI	none	Score	208
Exons	17298..17417, 17299..17427, 17301..17432, 17348..17434, 17799..17945, 17800..17946, 17804..17944		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o6.tm	Method	TBLASTX:Maize
Start	20541	End	23058
GI	none	Score	132
Exons	20541..20645, 20541..20648, 20573..20650, 20593..20646, 20593..20655, 20752..20799, 20752..20799, 20753..20800, 20756..20800, 20801..20860, 20801..20836, 20802..20837, 21099..21275, 21103..21267, 21180..21269, 21353..21421, 21355..21411, 21428..21535, 21437..21559, 21444..21560, 21451..21561, 21863..21997, 21864..22004, 21864..22004, 21865..22005, 22193..22303, 22202..22303, 22206..22304, 22224..22319, 22826..22906, 22835..22882, 22837..22926, 22839..22928, 23018..23053, 23023..23058		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o4.gs	Method	GENSCAN
Start	20545	End	25205
GI	none	Score	.87
Exons	20545..20651, 20752..20836, 21117..21296, 21355..21498, 23628..23807, 24056..24130, 25125..25205		

Seq. No.	20041	Seq. ID	OJ991106_34.9C09.C10
Gene No.	41831	Strand	-
Start	8644	End	25205
Name	OJ991106_34.9C09.C10.o5.np	Method	AAT/NAP
Start	22823	End	25051
GI	3080397	Score	532
Exons	22823..22925, 23021..23103, 23628..23807, 24056..24147, 24212..24328, 24364..24563, 24912..25051		
GI Descrip.	(AL022603) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41832	Strand	-
Start	1	End	1531
Name	OJ991106_34.9C09.C11.o1.np	Method	AAT/NAP
Start	1	End	1531
GI	3080397	Score	452
Exons	1..250, 1007..1116, 1325..1531		
GI Descrip.	(AL022603) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o3.tc	Method	TBLASTX:Cress

Start	6	End	236
GI	none	Score	149
Exons	6..236, 11..226		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o2.tm	Method	TBLASTX:Maize
Start	8	End	246
GI	none	Score	248
Exons	8..202, 9..206, 194..244, 197..244, 208..246		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o2.ts	Method	TBLASTX:Soybean
Start	27	End	3681
GI	none	Score	181
Exons	27..170, 29..226, 30..224, 32..226, 500..583, 965..1117, 1026..1118, 1321..1437, 1323..1439, 1333..1443, 3628..3681		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o2.tc	Method	TBLASTX:Cress
Start	1296	End	1437
GI	none	Score	155
Exons	1296..1436, 1321..1437		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o3.tm	Method	TBLASTX:Maize
Start	1840	End	2124
GI	none	Score	86
Exons	1840..1932, 1881..1931, 1984..2124, 1989..2120		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o1.gp	Method	AAT/GAP
Start	4297	End	6362
GI	1088_1.R1084	Score	1301
Exons	4297..4577, 5731..5774, 5857..6085, 6184..6362		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o1.tw	Method	TBLASTX:Wheat
Start	5727	End	6254
GI	none	Score	61
Exons	5727..5786, 5732..5776, 5732..5791, 5857..6087, 5858..6085, 6155..6253, 6174..6254, 6183..6254		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11

Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o1.tc	Method	TBLASTX:Cress
Start	5728	End	6273
GI	none	Score	59
Exons	5728..5775, 5731..5781, 5857..6087, 5858..6088, 6173..6253, 6183..6251, 6183..6254, 6184..6273		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o1.tm	Method	TBLASTX:Maize
Start	5730	End	6258
GI	none	Score	66
Exons	5730..5774, 5731..5775, 5851..6087, 5852..6085, 6048..6086, 6174..6254, 6183..6254, 6187..6258		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o1.ts	Method	TBLASTX:Soybean
Start	5733	End	6261
GI	none	Score	45
Exons	5733..5774, 5737..5775, 5857..6087, 5858..6088, 6183..6251, 6184..6261		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o2.gs	Method	GENSCAN
Start	5733	End	7698
GI	none	Score	.77
Exons	5733..5774, 5857..6085, 6184..6270, 6377..6527, 6558..6629, 6686..7044, 7189..7698		

Seq. No.	20042	Seq. ID	OJ991106_34.9C09.C11
Gene No.	41833	Strand	-
Start	4297	End	7698
Name	OJ991106_34.9C09.C11.o3.np	Method	AAT/NAP
Start	5736	End	6251
GI	6939227	Score	453
Exons	5736..5774, 5857..6085, 6184..6251		
GI Descrip.	(AC020579) putative ribosomal protein [Arabidopsis thaliana]		

Seq. No.	20043	Seq. ID	OJ991106_34.9C09.C12
Gene No.	41834	Strand	+
Start	1117	End	1349
Name	OJ991106_34.9C09.C12.o1.gs	Method	GENSCAN
Start	1117	End	1349
GI	none	Score	1
Exons	1117..1349		

Seq. No.	20044	Seq. ID	OJ991106_34.9C09.C13
Gene No.	41835	Strand	+
Start	102	End	193
Name	OJ991106_34.9C09.C13.o1.gs	Method	GENSCAN
Start	102	End	193

GI	none	Score	.79
Exons	102..193		

Seq. No.	20044	Seq. ID	OJ991106_34.9C09.C13
Gene No.	41836	Strand	-
Start	527	End	621
Name	OJ991106_34.9C09.C13.o1.gp	Method	AAT/GAP
Start	527	End	621
GI	LIB3477-003-P1-K1-E9	Score	167
Exons	527..621		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41837	Strand	+
Start	2102	End	2419
Name	OJ991106_32.9C07.C1.o1.gs	Method	GENSCAN
Start	2102	End	2419
GI	none	Score	.74
Exons	2102..2419		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41838	Strand	+
Start	5117	End	5957
Name	OJ991106_32.9C07.C1.o3.gs	Method	GENSCAN
Start	5117	End	5957
GI	none	Score	.72
Exons	5117..5224, 5229..5244, 5896..5957		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41839	Strand	+
Start	7042	End	12492
Name	OJ991106_32.9C07.C1.o4.gs	Method	GENSCAN
Start	7042	End	12492
GI	none	Score	.46
Exons	7042..7451, 7896..8041, 8144..8236, 9587..9696, 11684..11842, 12391..12492		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41840	Strand	+
Start	15773	End	16363
Name	OJ991106_32.9C07.C1.o5.gs	Method	GENSCAN
Start	15773	End	16363
GI	none	Score	.99
Exons	15773..16363		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41841	Strand	+
Start	32019	End	34397
Name	OJ991106_32.9C07.C1.o11.gs	Method	GENSCAN
Start	32019	End	34397
GI	none	Score	.76
Exons	32019..32708, 33717..34397		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41841	Strand	+

Start	32019	End	34397
Name	OJ991106_32.9C07.C1.o1.gp	Method	AAT/GAP
Start	32493	End	33812
GI	3760075	Score	535
Exons	32493..32708, 33717..33812		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41842	Strand	-
Start	3554	End	4199
Name	OJ991106_32.9C07.C1.o2.gs	Method	GENSCAN
Start	3554	End	4199
GI	none	Score	.84
Exons	3554..3767, 4117..4199		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41843	Strand	-
Start	19011	End	22819
Name	OJ991106_32.9C07.C1.o2.np	Method	AAT/NAP
Start	19011	End	22819
GI	3645898	Score	173
Exons	19011..19077, 21153..21556, 22779..22819		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41844	Strand	-
Start	27940	End	28834
Name	OJ991106_32.9C07.C1.o9.gs	Method	GENSCAN
Start	27940	End	28834
GI	none	Score	.78
Exons	27940..27985, 28253..28377, 28832..28834		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41845	Strand	-
Start	29773	End	30753
Name	OJ991106_32.9C07.C1.o10.gs	Method	GENSCAN
Start	29773	End	30753
GI	none	Score	.45
Exons	29773..29825, 30364..30507, 30639..30753		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41846	Strand	-
Start	34693	End	34821
Name	OJ991106_32.9C07.C1.o1.tw	Method	TBLASTX:Wheat
Start	21154	End	21513
GI	none	Score	202
Exons	21154..21513		

Seq. No.	20045	Seq. ID	OJ991106_32.9C07.C1
Gene No.	41846	Strand	-
Start	34693	End	34821
Name	OJ991106_32.9C07.C1.o12.gs	Method	GENSCAN
Start	34693	End	34821
GI	none	Score	.56
Exons	34693..34709, 34763..34821		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2

Gene No.	41847	Strand	+
Start	1956	End	10191
Name	OJ991106_32.9C07.C2.o1.gs	Method	GENSCAN
Start	1956	End	10191
GI	none	Score	.86
Exons	1956..2063, 4802..4937, 5043..5601, 5603..5635, 5691..5860, 5973..6103, 6943..7216, 7559..7635, 7699..7789, 8124..8281, 9208..9285, 9461..9536, 9649..9776, 10014..10191		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41848	Strand	+
Start	16211	End	16927
Name	OJ991106_32.9C07.C2.o3.gs	Method	GENSCAN
Start	16211	End	16927
GI	none	Score	.54
Exons	16211..16740, 16756..16927		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41849	Strand	+
Start	21936	End	23499
Name	OJ991106_32.9C07.C2.o5.gs	Method	GENSCAN
Start	21936	End	23499
GI	none	Score	.55
Exons	21936..22216, 22368..23499		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41850	Strand	+
Start	27291	End	28701
Name	OJ991106_32.9C07.C2.o7.gs	Method	GENSCAN
Start	27291	End	28701
GI	none	Score	.66
Exons	27291..27304, 27381..27417, 27501..27716, 27794..27853, 27921..28034, 28116..28271, 28357..28701		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41851	Strand	+
Start	31985	End	36035
Name	OJ991106_32.9C07.C2.o3.np	Method	AAT/NAP
Start	31985	End	36035
GI	4680183	Score	141
Exons	31985..32008, 35946..36035		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41852	Strand	-
Start	1044	End	4737
Name	OJ991106_32.9C07.C2.o1.np	Method	AAT/NAP
Start	1044	End	4737
GI	5902376	Score	131
Exons	1044..1068, 4588..4737		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41853	Strand	-
Start	11352	End	15621
Name	OJ991106_32.9C07.C2.o2.gs	Method	GENSCAN
Start	11352	End	15621

GI	none	Score	.6
Exons	11352..12286, 13019..13318, 13598..13910, 14085..14211, 14688..14711, 15593..15621		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41854	Strand	-
Start	17035	End	19877
Name	OJ991106_32.9C07.C2.o4.gs	Method	GENSCAN
Start	17035	End	19877
GI	none	Score	.76
Exons	17035..17045, 17098..17314, 17322..17813, 17894..18108, 18656..18952, 19057..19126, 19149..19306, 19727..19877		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41855	Strand	-
Start	25336	End	26467
Name	OJ991106_32.9C07.C2.o6.gs	Method	GENSCAN
Start	25336	End	26467
GI	none	Score	.94
Exons	25336..25614, 25620..25736, 25832..26467		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41856	Strand	-
Start	35205	End	35316
Name	OJ991106_32.9C07.C2.o1.gp	Method	AAT/GAP
Start	35205	End	35316
GI	uC-osflcyp088b12b1	Score	152
Exons	35205..35316		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41857	Strand	-
Start	36431	End	36511
Name	OJ991106_32.9C07.C2.o2.gp	Method	AAT/GAP
Start	36431	End	36511
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	36431..36511		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o2.tm	Method	TBLASTX:Maize
Start	5120	End	8190
GI	none	Score	44
Exons	5120..5185, 5252..5287, 5253..5291, 5426..5602, 5427..5600, 5429..5602, 5690..5875, 5692..5868, 5973..6101, 5979..6098, 5980..6102, 5984..6103, 6922..7218, 6923..7228, 6945..7220, 7322..7402, 7327..7410, 7556..7627, 7564..7653, 7688..7789, 7702..7788, 8115..8183, 8115..8180, 8122..8190		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o2.tw	Method	TBLASTX:Wheat

Start	12289	End	31529
GI	none	Score	59
Exons	12289..12339, 31131..31232, 31194..31529, 31249..31512		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o4.ts	Method	TBLASTX:Soybean
Start	29038	End	29288
GI	none	Score	46
Exons	29038..29076, 29043..29288, 29149..29286		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o3.tw	Method	TBLASTX:Wheat
Start	29064	End	29474
GI	none	Score	109
Exons	29064..29474, 29098..29463		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o3.ts	Method	TBLASTX:Soybean
Start	29631	End	30029
GI	none	Score	71
Exons	29631..30029, 29814..29924		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o4.tm	Method	TBLASTX:Maize
Start	29652	End	30032
GI	none	Score	87
Exons	29652..29876, 29874..30032		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o4.tw	Method	TBLASTX:Wheat
Start	29757	End	30050
GI	none	Score	140
Exons	29757..29861, 29886..30050		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o2.ts	Method	TBLASTX:Soybean
Start	30555	End	30893
GI	none	Score	95
Exons	30555..30734, 30568..30735, 30756..30893, 30760..30891		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o1.ts	Method	TBLASTX:Soybean
Start	31044	End	31514

GI	none	Score	87
Exons	31044..31232, 31057..31188, 31233..31514, 31252..31476		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o1.tm	Method	TBLASTX:Maize
Start	31200	End	31661
GI	none	Score	221
Exons	31200..31661, 31201..31512, 31272..31661		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o1.tw	Method	TBLASTX:Wheat
Start	31530	End	31934
GI	none	Score	297
Exons	31530..31883, 31573..31875, 31878..31934, 31888..31929		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o3.tm	Method	TBLASTX:Maize
Start	31662	End	31880
GI	none	Score	207
Exons	31662..31880, 31663..31875		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o5.ts	Method	TBLASTX:Soybean
Start	31731	End	32096
GI	none	Score	75
Exons	31731..31865, 31872..32096, 31906..32085		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o6.ts	Method	TBLASTX:Soybean
Start	32506	End	32844
GI	none	Score	204
Exons	32506..32844		

Seq. No.	20046	Seq. ID	OJ991106_32.9C07.C2
Gene No.	41858	Strand	-
Start	40416	End	40526
Name	OJ991106_32.9C07.C2.o3.gp	Method	AAT/GAP
Start	40416	End	40526
GI	uC-osflcyp088b12b1	Score	153
Exons	40416..40526		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41859	Strand	+
Start	13822	End	14231
Name	OJ991106_32.9C07.C3.o4.gs	Method	GENSCAN

Start	13822	End	14064
GI	none	Score	.97
Exons	13822..14064		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41859	Strand	+
Start	13822	End	14231
Name	OJ991106_32.9C07.C3.o2.gp	Method	AAT/GAP
Start	13859	End	14231
GI	none	Score	714
Exons	13859..14231		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41860	Strand	+
Start	14923	End	15196
Name	OJ991106_32.9C07.C3.o3.gp	Method	AAT/GAP
Start	14923	End	15196
GI	uC-osflcyp034b05b1	Score	405
Exons	14923..15196		
GI Descrip.	'3980378 1.0e-10 (AC004561) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41861	Strand	-
Start	272	End	3406
Name	OJ991106_32.9C07.C3.o1.gs	Method	GENSCAN
Start	272	End	3406
GI	none	Score	.46
Exons	272..922, 1132..1267, 2307..2379, 3021..3278, 3280..3339, 3358..3406		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41862	Strand	-
Start	5802	End	10156
Name	OJ991106_32.9C07.C3.o3.gs	Method	GENSCAN
Start	5802	End	10022
GI	none	Score	.68
Exons	5802..6395, 7021..7215, 8240..8385, 9635..10022		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41862	Strand	-
Start	5802	End	10156
Name	OJ991106_32.9C07.C3.o1.np	Method	AAT/NAP
Start	5817	End	10156
GI	4835775	Score	710
Exons	5817..6395, 8056..8168, 8240..8356, 8827..8870, 9635..9885, 9952..10156		
GI Descrip.	(AC007296) EST gb|F14156 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41863	Strand	-
Start	15417	End	16930
Name	OJ991106_32.9C07.C3.o1.tc	Method	TBLASTX:Cress
Start	5901	End	6140
GI	none	Score	163
Exons	5901..6140, 5923..6138		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41863	Strand	-
Start	15417	End	16930
Name	OJ991106_32.9C07.C3.o2.tm	Method	TBLASTX:Maize
Start	6789	End	7254
GI	none	Score	160
Exons	6789..7034, 7039..7254		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41863	Strand	-
Start	15417	End	16930
Name	OJ991106_32.9C07.C3.o4.gp	Method	AAT/GAP
Start	15249	End	16930
GI	none	Score	1105
Exons	15249..15578, 15929..16108, 16776..16930		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41863	Strand	-
Start	15417	End	16930
Name	OJ991106_32.9C07.C3.o1.tm	Method	TBLASTX:Maize
Start	15354	End	16891
GI	none	Score	48
Exons	15354..15389, 15361..15402, 15408..15584, 15409..15579, 15908..16111, 15911..16090, 15927..16109, 16774..16887, 16774..16887, 16778..16891		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41863	Strand	-
Start	15417	End	16930
Name	OJ991106_32.9C07.C3.o5.gs	Method	GENSCAN
Start	15417	End	16839
GI	none	Score	.94
Exons	15417..15578, 15929..16108, 16309..16356, 16777..16839		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41863	Strand	-
Start	15417	End	16930
Name	OJ991106_32.9C07.C3.o1.ts	Method	TBLASTX:Soybean
Start	15418	End	16887
GI	none	Score	67
Exons	15418..15579, 15423..15578, 15929..16132, 15930..16109, 15932..16111, 16774..16887		

Seq. No.	20047	Seq. ID	OJ991106_32.9C07.C3
Gene No.	41863	Strand	-
Start	15417	End	16930
Name	OJ991106_32.9C07.C3.o2.tc	Method	TBLASTX:Cress
Start	15426	End	16887
GI	none	Score	100
Exons	15426..15581, 15908..16093, 15926..16132, 15927..16109, 16774..16887		

Seq. No.	20048	Seq. ID	OJ991106_32.9C07.C5
Gene No.	41864	Strand	+
Start	470	End	816
Name	OJ991106_32.9C07.C5.o1.np	Method	AAT/NAP

Start	470	End	816
GI	2498930	Score	247
Exons	470..533, 701..816		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20048	Seq. ID	OJ991106_32.9C07.C5
Gene No.	41864	Strand	+
Start	470	End	816
Name	OJ991106_32.9C07.C5.o1.gs	Method	GENSCAN
Start	474	End	792
GI	none	Score	.74
Exons	474..533, 701..792		

Seq. No.	20049	Seq. ID	OJ991106_31.9C23.C1
Gene No.	41865	Strand	+
Start	119	End	8935
Name	OJ991106_31.9C23.C1.o1.gp	Method	AAT/GAP
Start	119	End	975
GI	19252_1.R1084	Score	680
Exons	119..223, 592..660, 750..975		
GI Descrip.	'6094049/sp|O48558|RL30_MAIZE 5.0e-57 60S RIBOSOMAL PROTEIN L30 >gi_2668750 (AF034949) ribosomal protein L30 [Zea mays]'		

Seq. No.	20049	Seq. ID	OJ991106_31.9C23.C1
Gene No.	41865	Strand	+
Start	119	End	8935
Name	OJ991106_31.9C23.C1.o1.gs	Method	GENSCAN
Start	122	End	8935
GI	none	Score	.61
Exons	122..223, 592..660, 750..783, 1837..1940, 2571..2643, 3838..3949, 4222..4384, 5605..5682, 6913..7014, 7645..8309, 8731..8867, 8905..8935		

Seq. No.	20049	Seq. ID	OJ991106_31.9C23.C1
Gene No.	41865	Strand	+
Start	119	End	8935
Name	OJ991106_31.9C23.C1.o1.np	Method	AAT/NAP
Start	122	End	784
GI	6539561	Score	278
Exons	122..223, 592..660, 750..784		
GI Descrip.	(AP000836) ESTs AU081342(E50565),C98255(C1338), AU058346(E50565) correspond to a region of the predicted gene.; Similar to ribosomal protein L30 (AF034949) [Oryza sativa]		

Seq. No.	20049	Seq. ID	OJ991106_31.9C23.C1
Gene No.	41865	Strand	+
Start	119	End	8935
Name	OJ991106_31.9C23.C1.o2.gp	Method	AAT/GAP
Start	3487	End	3837
GI	3768071	Score	684
Exons	3487..3837		

Seq. No.	20049	Seq. ID	OJ991106_31.9C23.C1
Gene No.	41865	Strand	+
Start	119	End	8935
Name	OJ991106_31.9C23.C1.o2.np	Method	AAT/NAP

Start	3812	End	8867
GI	6539560	Score	2088
Exons	3812..3949, 4222..4384, 5605..5682, 6913..7014, 7645..8309, 8731..8867		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	20049	Seq. ID	OJ991106_31.9C23.C1
Gene No.	41865	Strand	+
Start	119	End	8935
Name	OJ991106_31.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	7729	End	8067
GI	none	Score	36
Exons	7729..7743, 7772..7867, 7779..7871, 7869..8066, 7871..8020, 7876..8067		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41866	Strand	+
Start	1	End	7460
Name	OJ991106_31.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	7457
GI	6539560	Score	4485
Exons	1..20, 123..236, 263..396, 1870..2075, 2678..3513, 4183..4767, 4867..5115, 5204..5326, 5742..5987, 7281..7457		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41866	Strand	+
Start	1	End	7460
Name	OJ991106_31.9C23.C2.o1.gs	Method	GENSCAN
Start	2653	End	7460
GI	none	Score	.66
Exons	2653..3513, 4183..4767, 4867..5115, 5204..5326, 5742..5987, 7281..7460		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41866	Strand	+
Start	1	End	7460
Name	OJ991106_31.9C23.C2.o1.gp	Method	AAT/GAP
Start	4878	End	5305
GI	none	Score	488
Exons	4878..4932, 5087..5305		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41867	Strand	+
Start	10004	End	20025
Name	OJ991106_31.9C23.C2.o2.gs	Method	GENSCAN
Start	10004	End	20025
GI	none	Score	.6
Exons	10004..10587, 10798..10923, 11827..11914, 12516..12749, 12842..13047, 13142..13363, 13482..13618, 13723..13820, 13929..14026, 14167..14329, 14413..14529, 14612..14719, 14819..14881, 14971..15084, 15201..15366, 15445..15557, 15651..15788, 16146..16276, 16397..16462, 16642..16705, 16829..16940, 17030..17103, 17684..17778, 17867..17898, 17991..18139, 19565..19650, 19962..20025		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2

Gene No.	41867	Strand	+
Start	10004	End	20025
Name	OJ991106_31.9C23.C2.o3.gp	Method	AAT/GAP
Start	10825	End	13571
GI	26640_1.R1084	Score	1605
Exons	10825..10923, 11827..11864, 12516..12749, 12842..13047, 13142..13363, 13482..13571		
GI Descrip.	'3885334 8.0e-62 (AC005623) putative argonaute protein [Arabidopsis thaliana]'		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41867	Strand	+
Start	10004	End	20025
Name	OJ991106_31.9C23.C2.o2.np	Method	AAT/NAP
Start	12528	End	18163
GI	6539559	Score	4087
Exons	12528..12749, 12842..13047, 13142..13363, 13482..13618, 13723..13820, 13929..14026, 14167..14329, 14413..14529, 14612..14719, 14819..14881, 14971..15084, 15201..15366, 15445..15557, 15651..15788, 16146..16276, 16397..16462, 16642..16705, 16829..16940, 17030..17103, 17684..17778, 17867..17898, 17991..18163		
GI Descrip.	(AP000836) ESTs AU068544(C30430),C98487(E0325),D23445(C2825), AU068543(C30430),C71774(E0325),D22458(C11152) correspond to a region of the predicted gene.; Similar to putative argonaute protein (AC005623) [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41867	Strand	+
Start	10004	End	20025
Name	OJ991106_31.9C23.C2.o4.gp	Method	AAT/GAP
Start	14686	End	16712
GI	845_2.R1084	Score	1587
Exons	14686..14719, 14819..14881, 14971..15084, 15201..15366, 15445..15557, 15651..15788, 16146..16276, 16397..16462, 16642..16712		
GI Descrip.	'3885334 1.0e-110 (AC005623) putative argonaute protein [Arabidopsis thaliana]'		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41867	Strand	+
Start	10004	End	20025
Name	OJ991106_31.9C23.C2.o5.gp	Method	AAT/GAP
Start	17683	End	18341
GI	35017_1.R1084	Score	857
Exons	17683..17778, 17867..17898, 17991..18341		
GI Descrip.	'3885334 1.0e-30 (AC005623) putative argonaute protein [Arabidopsis thaliana]'		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o3.gs	Method	GENSCAN
Start	21500	End	23339
GI	none	Score	.84
Exons	21500..21631, 21755..21963, 22286..22513, 23150..23339		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o10.np	Method	AAT/NAP
Start	22279	End	36089
GI	2149640	Score	529
Exons	22279..22516, 24515..24640, 24762..24872, 30751..30883, 30971..31086, 31183..31288, 31376..31503, 31594..31656, 31753..31912, 31979..32099, 32187..32299, 32398..32535, 33592..33729, 33841..33886, 34089..34172, 34306..34407, 34509..34612, 35494..35590, 35840..36089		
GI Descrip.	(U91995) Argonaute protein [Arabidopsis thaliana] gi|5733867|gb|AAD49755.1|AC007932_3 (AC007932) Identical to gb|U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb|H76075, gb|AA720232, gb|N65911 and gb|AA651494 come from this gene.		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o4.gs	Method	GENSCAN
Start	24240	End	36877
GI	none	Score	.6
Exons	24240..24399, 24527..24640, 24762..24859, 24986..25037, 25370..25661, 25738..26044, 26075..30067, 30328..30375, 30744..30841, 30921..31086, 31183..31299, 31387..31494, 31753..31866, 31928..32099, 32187..32299, 32398..32535, 32578..32634, 32889..32927, 34089..34172, 34291..34426, 34543..34616, 35498..35592, 35733..35764, 35876..35985, 36740..36877		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o3.np	Method	AAT/NAP
Start	26069	End	30244
GI	6539558	Score	7273
Exons	26069..30244		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o4.np	Method	AAT/NAP
Start	28856	End	32539
GI	6539559	Score	882
Exons	28856..28894, 30740..30841, 30921..31086, 31183..31299, 31387..31494, 31594..31656, 31753..31866, 31940..32099, 32187..32299, 32398..32539		
GI Descrip.	(AP000836) ESTs AU068544(C30430),C98487(E0325),D23445(C2825), AU068543(C30430),C71774(E0325),D22458(C11152) correspond to a region of the predicted gene.; Similar to putative argonaute protein (AC005623) [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+

Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o8.np	Method	AAT/NAP
Start	29220	End	33934
GI	6539559	Score	1033
Exons	29220..29256, 30744..30841, 30921..31086, 31183..31299, 31387..31494, 31594..31656, 31753..31866, 31940..32099, 32187..32299, 32398..32535, 33592..33719, 33841..33934		
GI Descrip.	(AP000836) ESTs AU068544(C30430),C98487(E0325),D23445(C2825), AU068543(C30430),C71774(E0325),D22458(C11152) correspond to a region of the predicted gene.; Similar to putative argonaute protein (AC005623) [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o5.np	Method	AAT/NAP
Start	30730	End	33652
GI	3885334	Score	859
Exons	30730..30841, 30921..31086, 31183..31299, 31387..31494, 31594..31656, 31753..31870, 31944..32099, 32187..32299, 32398..32535, 33592..33652		
GI Descrip.	(AC005623) Argonaute (AGO1)-like protein [Arabidopsis thaliana]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o6.np	Method	AAT/NAP
Start	30739	End	33748
GI	6539559	Score	1001
Exons	30739..30841, 30921..31086, 31183..31299, 31387..31494, 31594..31656, 31753..31866, 31940..32099, 32187..32299, 32398..32535, 33592..33748		
GI Descrip.	(AP000836) ESTs AU068544(C30430),C98487(E0325),D23445(C2825), AU068543(C30430),C71774(E0325),D22458(C11152) correspond to a region of the predicted gene.; Similar to putative argonaute protein (AC005623) [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o9.np	Method	AAT/NAP
Start	30740	End	34030
GI	6539559	Score	1018
Exons	30740..30841, 30921..31086, 31183..31299, 31387..31494, 31594..31656, 31753..31866, 31940..32099, 32187..32299, 32398..32535, 33592..33719, 33841..34030		
GI Descrip.	(AP000836) ESTs AU068544(C30430),C98487(E0325),D23445(C2825), AU068543(C30430),C71774(E0325),D22458(C11152) correspond to a region of the predicted gene.; Similar to putative argonaute protein (AC005623) [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41868	Strand	+
Start	21500	End	36877
Name	OJ991106_31.9C23.C2.o7.np	Method	AAT/NAP
Start	30741	End	33719
GI	6539559	Score	983

Exons	30741..30841, 30921..31086, 31183..31299, 31387..31494, 31594..31656, 31753..31866, 31940..32099, 32187..32299, 32398..32535, 33592..33719
GI Descrip.	(AP000836) ESTs AU068544(C30430),C98487(E0325),D23445(C2825), AU068543(C30430),C71774(E0325),D22458(C11152) correspond to a region of the predicted gene.; Similar to putative argonaute protein (AC005623) [Oryza sativa]

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41869	Strand	+
Start	39192	End	43032
Name	OJ991106_31.9C23.C2.o11.np	Method	AAT/NAP
Start	39192	End	43029
GI	6539557	Score	540
Exons	39192..39323, 42832..43029		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa] gi|6539594|dbj|BAA88210.1| (AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41869	Strand	+
Start	39192	End	43032
Name	OJ991106_31.9C23.C2.o5.gs	Method	GENSCAN
Start	39192	End	43032
GI	none	Score	.44
Exons	39192..39323, 42832..43032		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41870	Strand	+
Start	45509	End	46549
Name	OJ991106_31.9C23.C2.o12.np	Method	AAT/NAP
Start	45509	End	46546
GI	6539556	Score	1783
Exons	45509..45996, 46036..46546		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa] gi|6539593|dbj|BAA88209.1| (AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41870	Strand	+
Start	45509	End	46549
Name	OJ991106_31.9C23.C2.o6.gs	Method	GENSCAN
Start	45509	End	46549
GI	none	Score	.88
Exons	45509..45996, 46036..46549		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41871	Strand	-
Start	5138	End	5501
Name	OJ991106_31.9C23.C2.o2.gp	Method	AAT/GAP
Start	5138	End	5501
GI	none	Score	692
Exons	5138..5501		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41872	Strand	-
Start	27305	End	27740

Name	OJ991106_31.9C23.C2.o6.gp	Method	AAT/GAP
Start	27305	End	27740
GI	uC-osf1M2020118f01a1	Score	781
Exons	27305..27740		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41873	Strand	-
Start	29416	End	29870
Name	OJ991106_31.9C23.C2.o7.gp	Method	AAT/GAP
Start	29416	End	29870
GI	36280_1.R1084	Score	850
Exons	29416..29870		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o9.tm	Method	TBLASTX:Maize
Start	2683	End	3036
GI	none	Score	93
Exons	2683..2742, 2686..2736, 2688..2753, 2690..2743, 2738..3034, 2739..2798, 2746..3036, 2746..3036		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o11.tm	Method	TBLASTX:Maize
Start	3228	End	3429
GI	none	Score	349
Exons	3228..3428, 3229..3429		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o8.ts	Method	TBLASTX:Soybean
Start	3268	End	3522
GI	none	Score	251
Exons	3268..3522, 3271..3495, 3273..3515		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o6.ts	Method	TBLASTX:Soybean
Start	4147	End	4389
GI	none	Score	75
Exons	4147..4305, 4176..4358, 4180..4389, 4191..4388		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342

Name	OJ991106_31.9C23.C2.o4.tm	Method	TBLASTX:Maize
Start	4177	End	4943
GI	none	Score	119
Exons	4177..4257, 4178..4252, 4179..4253, 4258..4308, 4260..4358, 4261..4344, 4369..4452, 4371..4451, 4446..4592, 4447..4590, 4587..4649, 4588..4665, 4677..4769, 4678..4770, 4848..4943, 4864..4932		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o7.tm	Method	TBLASTX:Maize
Start	12520	End	21919
GI	none	Score	66
Exons	12520..12606, 12527..12607, 12528..12611, 12613..12750, 12614..12757, 12627..12752, 12841..13008, 12842..13000, 12850..13005, 21405..21491, 21511..21618, 21512..21637, 21755..21919, 21763..21918		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	13019	End	33720
GI	none	Score	40
Exons	13019..13048, 13146..13337, 13147..13191, 13178..13351, 13191..13364, 13217..13363, 13482..13616, 13495..13617, 13721..13816, 13722..13820, 13928..14014, 13928..14023, 13929..14027, 14213..14332, 14233..14328, 14413..14514, 14421..14531, 14436..14531, 14606..14710, 14611..14724, 14612..14722, 14816..14881, 14818..14880, 14968..15087, 14968..15087, 14970..15104, 15204..15428, 15228..15335, 15239..15367, 15432..15572, 15443..15565, 15444..15569, 15648..15791, 15648..15785, 15650..15802, 16145..16243, 16158..16262, 22344..22514, 22358..22525, 24577..24639, 24760..24852, 24761..24868, 30741..30839, 30762..30839, 30937..31092, 30937..31086, 30965..31045, 31032..31091, 31180..31302, 31191..31301, 31378..31497, 31590..31652, 31591..31650, 31750..31869, 31752..31862, 31753..31869, 32047..32100, 32048..32101, 32185..32298, 32186..32302, 32192..32308, 32386..32532, 32395..32538, 32397..32537, 33591..33704, 33607..33720		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o7.ts	Method	TBLASTX:Soybean
Start	13497	End	24859
GI	none	Score	68
Exons	13497..13583, 13497..13637, 13498..13587, 13594..13617, 13721..13816, 13722..13820, 13932..14024, 13937..14026, 24577..24609, 24610..24639, 24760..24837, 24761..24859		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o4.tc	Method	TBLASTX:Cress

Start	14186	End	31296
GI	none	Score	161
Exons	14186..14332, 14251..14331, 14410..14523, 14412..14525, 14413..14514, 14609..14644, 30931..31092, 30962..31009, 30970..31086, 31008..31088, 31180..31296, 31180..31293, 31182..31295		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o9.ts	Method	TBLASTX:Soybean
Start	14216	End	31306
GI	none	Score	141
Exons	14216..14332, 14233..14331, 14412..14492, 14413..14493, 14493..14528, 14494..14514, 30973..31092, 31009..31092, 31182..31262, 31183..31263, 31259..31306		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	14620	End	32302
GI	none	Score	127
Exons	14620..14715, 14621..14722, 14816..14881, 14818..14889, 14968..15114, 14979..15077, 15225..15368, 15248..15367, 15431..15565, 15432..15572, 31399..31497, 31410..31490, 31591..31650, 31594..31656, 31753..31860, 32048..32101, 32071..32100, 32185..32301, 32186..32302		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o2.tc	Method	TBLASTX:Cress
Start	14968	End	32302
GI	none	Score	125
Exons	14968..15084, 14985..15101, 15201..15368, 15245..15367, 15432..15509, 15437..15505, 15513..15560, 31759..31866, 31760..31837, 31958..32038, 32048..32101, 32064..32111, 32185..32247, 32186..32251, 32254..32301, 32255..32302		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o10.ts	Method	TBLASTX:Soybean
Start	15648	End	32538
GI	none	Score	191
Exons	15648..15791, 15650..15796, 32395..32538, 32397..32537		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o12.tm	Method	TBLASTX:Maize
Start	16392	End	36042
GI	none	Score	107
Exons	16392..16463, 16395..16463, 16637..16705, 16640..16705, 16802..16933, 16817..16951, 16828..16944, 17027..17104, 17028..17111, 17029..17103, 17683..17781, 17684..17779,		

17857..17901, 17868..17897, 17969..18199, 17990..18058,
17991..18134, 18028..18180, 34104..34172, 34321..34446,
34540..34617, 34541..34615, 34542..34616, 35497..35595,
35498..35593, 35733..35759, 35734..35760, 35874..35924,
35875..35931, 35983..36042

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o3.tc	Method	TBLASTX:Cress
Start	16392	End	36042
GI	none	Score	86

Exons 16392..16463, 16637..16705, 16817..16951, 16821..16943,
16825..16953, 17029..17103, 17035..17103, 17683..17778,
17684..17779, 17862..17897, 17867..17896, 17969..18166,
18049..18165, 33652..33720, 33839..33919, 34100..34201,
34104..34172, 34289..34315, 34321..34392, 34325..34375,
34329..34385, 34542..34616, 35497..35592, 35498..35593,
35734..35760, 35875..35931, 35983..36042

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o4.tw	Method	TBLASTX:Wheat
Start	16395	End	35536
GI	none	Score	106

Exons 16395..16463, 16397..16462, 16637..16705, 16640..16705,
16641..16709, 16817..16891, 16828..16890, 16886..16963,
16893..16940, 17028..17102, 17029..17103, 17684..17722,
33839..33919, 34100..34168, 34104..34172, 34321..34368,
34396..34428, 34541..34615, 34542..34616, 34545..34616,
35497..35535, 35498..35536

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o5.ts	Method	TBLASTX:Soybean
Start	16395	End	36042
GI	none	Score	91

Exons 16395..16463, 16578..16706, 16637..16705, 16817..16951,
16828..16944, 17028..17111, 17029..17103, 17683..17781,
17684..17779, 17862..17897, 17969..18064, 17986..18084,
18037..18084, 18106..18165, 18107..18166, 34100..34168,
34104..34172, 34321..34446, 34321..34446, 34507..34617,
34542..34616, 35497..35595, 35498..35593, 35734..35760,
35875..35931, 35974..36042

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o10.tm	Method	TBLASTX:Maize
Start	25855	End	26147
GI	none	Score	351

Exons 25855..26070, 25856..26146, 25856..26146, 26076..26147

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-

Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	26381	End	27097
GI	none	Score	387
Exons	26381..26650, 26398..26640, 26573..26668, 26638..26670, 26676..26804, 26677..26805, 26677..26832, 26735..26866, 26844..26996, 26846..27097, 26849..27097		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o2.tw	Method	TBLASTX:Wheat
Start	27029	End	27475
GI	none	Score	337
Exons	27029..27388, 27043..27327, 27383..27475, 27395..27475		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o13.tm	Method	TBLASTX:Maize
Start	27112	End	27352
GI	none	Score	312
Exons	27112..27351, 27113..27352		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o11.ts	Method	TBLASTX:Soybean
Start	27413	End	27688
GI	none	Score	190
Exons	27413..27688, 27509..27589		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o3.tw	Method	TBLASTX:Wheat
Start	27548	End	28099
GI	none	Score	104
Exons	27548..27688, 27746..28012, 27763..27912, 28015..28086, 28019..28099		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o3.tm	Method	TBLASTX:Maize
Start	27767	End	28177
GI	none	Score	685
Exons	27767..28177, 27767..27835, 27769..28176		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o2.ts	Method	TBLASTX:Soybean
Start	27782	End	28261
GI	none	Score	341
Exons	27782..28090, 27787..28077, 28115..28261		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o5.tc	Method	TBLASTX:Cress
Start	27797	End	28237
GI	none	Score	202
Exons	27797..28093, 27847..27879, 27937..28083, 28115..28237		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o3.ts	Method	TBLASTX:Soybean
Start	28694	End	29191
GI	5509260	Score	415
Exons	28694..29191, 28774..28950, 29014..29172		
GI Descrip.	-		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o8.tm	Method	TBLASTX:Maize
Start	28745	End	29041
GI	none	Score	387
Exons	28745..29041, 28771..29040		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o6.tc	Method	TBLASTX:Cress
Start	28816	End	29080
GI	none	Score	244
Exons	28816..28947, 28817..29080		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	28861	End	29416
GI	none	Score	322
Exons	28861..28950, 28862..29206, 29015..29191, 29017..29202, 29192..29416		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o5.tm	Method	TBLASTX:Maize
Start	29243	End	29634
GI	none	Score	603
Exons	29243..29632, 29243..29302, 29245..29562, 29347..29634, 29360..29632		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o7.tw	Method	TBLASTX:Wheat
Start	29417	End	29728
GI	none	Score	64

Exons	29417..29524, 29549..29728		
Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o1.tc	Method	TBLASTX:Cress
Start	29549	End	30211
GI	none	Score	257
Exons	29549..29839, 29558..29731, 29743..29838, 29845..29922, 29846..29926, 29993..30211, 30001..30177		
Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o4.ts	Method	TBLASTX:Soybean
Start	29570	End	30220
GI	none	Score	147
Exons	29570..29731, 29743..29904, 29744..29932, 29984..30220, 30001..30087		
Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o14.tm	Method	TBLASTX:Maize
Start	29636	End	29815
GI	none	Score	192
Exons	29636..29815, 29638..29730, 29749..29814		
Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o6.tw	Method	TBLASTX:Wheat
Start	29762	End	30181
GI	none	Score	124
Exons	29762..29932, 29845..29922, 29978..30181, 30020..30169		
Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o6.tm	Method	TBLASTX:Maize
Start	29821	End	30210
GI	none	Score	488
Exons	29821..30210, 29822..30208, 29824..30210		
Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o5.tw	Method	TBLASTX:Wheat
Start	47461	End	47742
GI	none	Score	115
Exons	47461..47742, 47462..47728		
Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o7.gs	Method	GENSCAN
Start	47515	End	51342

GI	none	Score	.46
Exons	47515..47829, 47919..48514, 48617..48772, 49985..50306, 51283..51342		

Seq. No.	20050	Seq. ID	OJ991106_31.9C23.C2
Gene No.	41874	Strand	-
Start	47515	End	51342
Name	OJ991106_31.9C23.C2.o13.np	Method	AAT/NAP
Start	47518	End	48655
GI	6539555	Score	1685
Exons	47518..47829, 47919..48557, 48617..48655		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41875	Strand	+
Start	27864	End	28946
Name	OJ991106_31.9C23.C3.o3.np	Method	AAT/NAP
Start	27849	End	28943
GI	6539552	Score	1773
Exons	27849..28098, 28180..28943		
GI Descrip.	(AP000836) Similar to putative transcription factor (AF062890) [Oryza sativa] gi|6539589|dbj|BAA88205.1| (AP000837) Similar to putative transcription factor (AF062890) [Oryza sativa]		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41875	Strand	+
Start	27864	End	28946
Name	OJ991106_31.9C23.C3.o5.gs	Method	GENSCAN
Start	27864	End	28946
GI	none	Score	.86
Exons	27864..28098, 28180..28946		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41876	Strand	+
Start	51079	End	51411
Name	OJ991106_31.9C23.C3.o8.gs	Method	GENSCAN
Start	51079	End	51411
GI	none	Score	.75
Exons	51079..51208, 51294..51350, 51356..51411		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41877	Strand	+
Start	54262	End	56669
Name	OJ991106_31.9C23.C3.o6.np	Method	AAT/NAP
Start	54262	End	56669
GI	6498441	Score	2747
Exons	54262..55327, 55656..56118, 56182..56669		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41878	Strand	-
Start	1537	End	2927
Name	OJ991106_31.9C23.C3.o1.gs	Method	GENSCAN

Start	1537	End	2927
GI	none	Score	.98
Exons	1537..1724, 1742..1800, 2896..2927		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41879	Strand	-
Start	5297	End	7957
Name	OJ991106_31.9C23.C3.o2.gs	Method	GENSCAN
Start	5297	End	7957
GI	none	Score	.53
Exons	5297..5557, 5642..5735, 5753..5900, 7885..7957		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41879	Strand	-
Start	5297	End	7957
Name	OJ991106_31.9C23.C3.o1.np	Method	AAT/NAP
Start	5300	End	7957
GI	6539554	Score	936
Exons	5300..5557, 5642..5900, 7885..7957		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa] gi|6539591|dbj|BAA88207.1| (AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41880	Strand	-
Start	17098	End	27021
Name	OJ991106_31.9C23.C3.o4.gs	Method	GENSCAN
Start	17098	End	27021
GI	none	Score	.4
Exons	17098..17316, 18096..18275, 18323..22034, 22212..22259, 22264..22581, 23520..23639, 26092..26124, 26969..27021		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41880	Strand	-
Start	17098	End	27021
Name	OJ991106_31.9C23.C3.o2.np	Method	AAT/NAP
Start	18113	End	22018
GI	6539553	Score	6852
Exons	18113..22018		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41881	Strand	-
Start	32115	End	41367
Name	OJ991106_31.9C23.C3.o6.gs	Method	GENSCAN
Start	32115	End	41367
GI	none	Score	.66
Exons	32115..32257, 33905..34033, 38954..39056, 40353..40622, 41341..41367		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41881	Strand	-
Start	32115	End	41367
Name	OJ991106_31.9C23.C3.o4.np	Method	AAT/NAP

Start	32118	End	41367
GI	6539588	Score	1075
Exons	32118..32257, 33905..34033, 38954..39056, 40353..40622, 41341..41367		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41882	Strand	-
Start	42438	End	46338
Name	OJ991106_31.9C23.C3.o7.gs	Method	GENSCAN
Start	42438	End	46338
GI	none	Score	.61
Exons	42438..42674, 43043..43177, 44850..44898, 46223..46338		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41882	Strand	-
Start	42438	End	46338
Name	OJ991106_31.9C23.C3.o5.np	Method	AAT/NAP
Start	42441	End	43183
GI	6539587	Score	617
Exons	42441..42674, 43043..43183		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o2.tw	Method	TBLASTX:Wheat
Start	18249	End	18725
GI	none	Score	353
Exons	18249..18635, 18287..18634, 18328..18636, 18650..18724, 18654..18725		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o5.ts	Method	TBLASTX:Soybean
Start	18377	End	18718
GI	none	Score	83
Exons	18377..18586, 18456..18581, 18605..18718, 18612..18692		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o5.tm	Method	TBLASTX:Maize
Start	18581	End	18920
GI	none	Score	206
Exons	18581..18919, 18582..18920		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o3.ts	Method	TBLASTX:Soybean
Start	18731	End	19076
GI	none	Score	124
Exons	18731..19075, 18876..19076		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3

Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o3.tw	Method	TBLASTX:Wheat
Start	18929	End	19474
GI	none	Score	48
Exons	18929..19135, 18939..19061, 19130..19474, 19154..19327		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o3.tm	Method	TBLASTX:Maize
Start	19010	End	19475
GI	none	Score	55
Exons	19010..19474, 19113..19223, 19157..19339, 19290..19475		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o2.ts	Method	TBLASTX:Soybean
Start	19145	End	19609
GI	5509260	Score	58
Exons	19145..19609, 19164..19223, 19290..19391, 19440..19508		
GI Descrip.	-		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o2.tc	Method	TBLASTX:Cress
Start	19256	End	19516
GI	none	Score	286
Exons	19256..19516		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	19529	End	20276
GI	none	Score	199
Exons	19529..20269, 19530..19688, 19549..19746, 19797..20276		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o4.ts	Method	TBLASTX:Soybean
Start	19934	End	20332
GI	none	Score	38
Exons	19934..20107, 20061..20099, 20108..20332, 20154..20324		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o6.tm	Method	TBLASTX:Maize
Start	20120	End	20554
GI	none	Score	298
Exons	20120..20554		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3

Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o7.tw	Method	TBLASTX:Wheat
Start	20282	End	20623
GI	none	Score	44
Exons	20282..20623, 20283..20348, 20306..20491, 20412..20552		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o6.ts	Method	TBLASTX:Soybean
Start	20342	End	20728
GI	none	Score	88
Exons	20342..20590, 20573..20728		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o2.tm	Method	TBLASTX:Maize
Start	20755	End	21070
GI	none	Score	393
Exons	20755..20922, 20756..21070, 20757..21050		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o4.tm	Method	TBLASTX:Maize
Start	21576	End	21889
GI	none	Score	286
Exons	21576..21881, 21578..21889		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o5.tw	Method	TBLASTX:Wheat
Start	21638	End	22024
GI	none	Score	240
Exons	21638..22024, 21639..22010		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	27954	End	28397
GI	none	Score	219
Exons	27954..28106, 27980..28108, 27981..28106, 28166..28396, 28167..28397		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	27981	End	28367
GI	none	Score	181
Exons	27981..28106, 27986..28108, 28169..28360, 28170..28367		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3

Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	27984	End	28405
GI	none	Score	185
Exons	27984..28106, 27995..28108, 28169..28405, 28170..28391		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o8.tw	Method	TBLASTX:Wheat
Start	27993	End	28358
GI	none	Score	62
Exons	27993..28073, 28178..28354, 28179..28358		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o9.gs	Method	GENSCAN
Start	52455	End	56409
GI	none	Score	.7
Exons	52455..52641, 52942..53233, 53599..53868, 54067..54263, 54376..54593, 54768..54930, 54953..55116, 55209..55379, 55540..55761, 55777..55866, 55918..56409		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o6.tw	Method	TBLASTX:Wheat
Start	54251	End	54803
GI	none	Score	34
Exons	54251..54286, 54411..54458, 54465..54563, 54470..54562, 54530..54724, 54546..54803		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o7.tm	Method	TBLASTX:Maize
Start	54416	End	54701
GI	none	Score	197
Exons	54416..54700, 54453..54701		

Seq. No.	20051	Seq. ID	OJ991106_31.9C23.C3
Gene No.	41883	Strand	-
Start	52455	End	56409
Name	OJ991106_31.9C23.C3.o4.tw	Method	TBLASTX:Wheat
Start	55540	End	56310
GI	none	Score	94
Exons	55540..55653, 55541..55654, 55640..55990, 55648..56025, 55734..55994, 56113..56310, 56113..56295, 56166..56309		

Seq. No.	20052	Seq. ID	OJ991106_31.9C23.C4
Gene No.	41884	Strand	+
Start	1	End	354
Name	OJ991106_31.9C23.C4.o1.np	Method	AAT/NAP
Start	1	End	354
GI	2498930	Score	112

Exons	1..143, 311..354		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20052	Seq. ID	OJ991106_31.9C23.C4
Gene No.	41884	Strand	+
Start	1	End	354
Name	OJ991106_31.9C23.C4.o1.gs	Method	GENSCAN
Start	84	End	143
GI	none	Score	.98
Exons	84..143		

Seq. No.	20053	Seq. ID	OJ990626_46.9C10.C1
Gene No.	41885	Strand	-
Start	2110	End	2293
Name	OJ990626_46.9C10.C1.o1.gs	Method	GENSCAN
Start	2110	End	2293
GI	none	Score	.61
Exons	2110..2293		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41886	Strand	+
Start	4157	End	10241
Name	OJ990626_46.9C10.C2.o2.gs	Method	GENSCAN
Start	4157	End	10057
GI	none	Score	.69
Exons	4157..5751, 6009..6307, 6644..6757, 7311..7461, 7544..8312, 8405..8703, 8796..9063, 9318..9597, 9615..9695, 9732..9852, 10048..10057		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41886	Strand	+
Start	4157	End	10241
Name	OJ990626_46.9C10.C2.o2.np	Method	AAT/NAP
Start	4682	End	10241
GI	5441880	Score	1284
Exons	4682..5689, 6131..6180, 6442..6738, 7307..7480, 7587..7892, 8411..8711, 8810..9030, 9333..9589, 9998..10241		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41887	Strand	+
Start	13616	End	14210
Name	OJ990626_46.9C10.C2.o1.gp	Method	AAT/GAP
Start	13616	End	14210
GI	none	Score	559
Exons	13616..13935, 14163..14210		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41888	Strand	-
Start	1865	End	3662
Name	OJ990626_46.9C10.C2.o1.gs	Method	GENSCAN
Start	1865	End	3662
GI	none	Score	.62
Exons	1865..2056, 2121..2216, 2313..3086, 3630..3662		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41888	Strand	-
Start	1865	End	3662
Name	OJ990626_46.9C10.C2.o1.np	Method	AAT/NAP
Start	1923	End	2661
GI	5922636	Score	464
Exons	1923..2056, 2349..2661		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41889	Strand	-
Start	8492	End	14466
Name	OJ990626_46.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	5251	End	5712
GI	none	Score	127
Exons	5251..5373, 5252..5404, 5404..5592, 5405..5608, 5590..5712		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41889	Strand	-
Start	8492	End	14466
Name	OJ990626_46.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	5567	End	5928
GI	none	Score	63
Exons	5567..5683, 5592..5690, 5593..5715, 5593..5718, 5743..5928, 5743..5832, 5748..5909		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41889	Strand	-
Start	8492	End	14466
Name	OJ990626_46.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	7626	End	7955
GI	none	Score	90
Exons	7626..7679, 7634..7690, 7688..7816, 7689..7817, 7851..7886, 7923..7955		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41889	Strand	-
Start	8492	End	14466
Name	OJ990626_46.9C10.C2.o3.np	Method	AAT/NAP
Start	8492	End	14385
GI	4680191	Score	58
Exons	8492..8566, 12140..12270, 14357..14385		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	20054	Seq. ID	OJ990626_46.9C10.C2
Gene No.	41889	Strand	-
Start	8492	End	14466
Name	OJ990626_46.9C10.C2.o2.gp	Method	AAT/GAP
Start	13998	End	14466
GI	none	Score	603
Exons	13998..14356, 14429..14466		

Seq. No.	20055	Seq. ID	OJ990626_46.9C10.C4
Gene No.	41890	Strand	-
Start	1	End	621
Name	OJ990626_46.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	621
GI	2498930	Score	696
Exons	1..393, 561..621		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20055	Seq. ID	OJ990626_46.9C10.C4
Gene No.	41890	Strand	-
Start	1	End	621
Name	OJ990626_46.9C10.C4.o1.gs	Method	GENSCAN
Start	91	End	620
GI	none	Score	.82
Exons	91..393, 561..620		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41891	Strand	+
Start	94	End	1073
Name	OJ990626_46.9C10.C5.o1.gs	Method	GENSCAN
Start	94	End	1073
GI	none	Score	.78
Exons	94..199, 457..499, 926..1073		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41892	Strand	+
Start	2358	End	10565
Name	OJ990626_46.9C10.C5.o2.gs	Method	GENSCAN
Start	2358	End	10565
GI	none	Score	.46
Exons	2358..2633, 2706..2897, 3244..3359, 3446..4352, 4535..4670, 5418..7921, 8300..8350, 8358..8494, 10251..10400, 10430..10565		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41892	Strand	+
Start	2358	End	10565
Name	OJ990626_46.9C10.C5.o1.np	Method	AAT/NAP
Start	5174	End	7864
GI	4581164	Score	1850
Exons	5174..6028, 6185..7176, 7384..7864		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41893	Strand	+
Start	11012	End	11963
Name	OJ990626_46.9C10.C5.o3.gs	Method	GENSCAN
Start	11012	End	11963
GI	none	Score	.66
Exons	11012..11370, 11618..11963		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41894	Strand	+
Start	12283	End	12955

Name	OJ990626_46.9C10.C5.o4.gp	Method	AAT/GAP
Start	12283	End	12955
GI	none	Score	1223
Exons	12283..12955		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41895	Strand	+
Start	17496	End	18914
Name	OJ990626_46.9C10.C5.o5.gs	Method	GENSCAN
Start	17496	End	18914
GI	none	Score	.98
Exons	17496..18914		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41896	Strand	+
Start	21892	End	22698
Name	OJ990626_46.9C10.C5.o6.gs	Method	GENSCAN
Start	21892	End	22698
GI	none	Score	.77
Exons	21892..21994, 22685..22698		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41897	Strand	+
Start	26063	End	26845
Name	OJ990626_46.9C10.C5.o3.np	Method	AAT/NAP
Start	26063	End	26845
GI	5295951	Score	182
Exons	26063..26293, 26449..26541, 26584..26845		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41898	Strand	+
Start	27295	End	27558
Name	OJ990626_46.9C10.C5.o6.gp	Method	AAT/GAP
Start	27295	End	27558
GI	1339_1.R1084	Score	405
Exons	27295..27558		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 2.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41899	Strand	+
Start	28860	End	29206
Name	OJ990626_46.9C10.C5.o8.gs	Method	GENSCAN
Start	28860	End	29206
GI	none	Score	.42
Exons	28860..28865, 29105..29206		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41900	Strand	+
Start	31354	End	33069
Name	OJ990626_46.9C10.C5.o9.gs	Method	GENSCAN
Start	31354	End	33069
GI	none	Score	.99
Exons	31354..33069		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41901	Strand	-
Start	11	End	503
Name	OJ990626_46.9C10.C5.o1.gp	Method	AAT/GAP
Start	11	End	503
GI	none	Score	557
Exons	11..263, 441..503		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41902	Strand	-
Start	834	End	1312
Name	OJ990626_46.9C10.C5.o2.gp	Method	AAT/GAP
Start	834	End	1312
GI	LIB3431-008-P1-K1-D9	Score	902
Exons	834..1312		
GI Descrip.	'4249662 7.0e-10 (AF089810) Altered Response to Gravity [Arabidopsis thaliana]'		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41903	Strand	-
Start	12666	End	13471
Name	OJ990626_46.9C10.C5.o4.gs	Method	GENSCAN
Start	12666	End	13415
GI	none	Score	.73
Exons	12666..13415		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41903	Strand	-
Start	12666	End	13471
Name	OJ990626_46.9C10.C5.o5.gp	Method	AAT/GAP
Start	13026	End	13471
GI	4880471	Score	793
Exons	13026..13471		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o7.tm	Method	TBLASTX:Maize
Start	1782	End	2230
GI	none	Score	53
Exons	1782..1832, 1783..1836, 1785..1838, 1950..2051, 1953..2045, 1954..2046, 2129..2203, 2129..2230		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	1785	End	2229
GI	none	Score	114
Exons	1785..1838, 1949..2044, 1950..2054, 1954..2046, 2129..2203, 2131..2229		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o6.tm	Method	TBLASTX:Maize
Start	4445	End	4804

GI	none	Score	101
Exons	4445..4522, 4453..4515, 4526..4804		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	5273	End	5755
GI	none	Score	425
Exons	5273..5755, 5377..5751		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o3.ts	Method	TBLASTX:Soybean
Start	5309	End	5623
GI	none	Score	239
Exons	5309..5623, 5422..5583		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	5333	End	5809
GI	none	Score	526
Exons	5333..5809, 5339..5797		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	5732	End	6091
GI	none	Score	340
Exons	5732..6091, 5893..6090		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o3.tw	Method	TBLASTX:Wheat
Start	5804	End	6205
GI	none	Score	333
Exons	5804..6205, 5893..6171		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	5828	End	6355
GI	none	Score	588
Exons	5828..6355, 5893..6249		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o4.ts	Method	TBLASTX:Soybean
Start	6115	End	6358
GI	none	Score	190

Exons	6115..6249, 6116..6358		
Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o5.tm	Method	TBLASTX:Maize
Start	6356	End	6712
GI	none	Score	170
Exons	6356..6553, 6361..6549, 6377..6553, 6551..6712		
Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o2.tw	Method	TBLASTX:Wheat
Start	6545	End	6937
GI	none	Score	339
Exons	6545..6937, 6661..6936		
Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	6770	End	7405
GI	none	Score	705
Exons	6770..7405, 6856..7404		
Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	6791	End	7177
GI	none	Score	365
Exons	6791..7177, 6823..7176		
Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o4.tw	Method	TBLASTX:Wheat
Start	7025	End	7642
GI	none	Score	298
Exons	7025..7405, 7030..7404, 7520..7642		
Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o4.tm	Method	TBLASTX:Maize
Start	7418	End	8058
GI	none	Score	296
Exons	7418..7834, 7525..7743, 7862..8053, 7954..8058		
Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o5.tw	Method	TBLASTX:Wheat
Start	7643	End	7900
GI	none	Score	190
Exons	7643..7900		

Seq. No.	20056	Seq. ID	OJ990626_46.9C10.C5
Gene No.	41904	Strand	-
Start	26171	End	27473
Name	OJ990626_46.9C10.C5.o7.gs	Method	GENSCAN
Start	26171	End	27473
GI	none	Score	.58
Exons	26171..26344, 26417..26500, 27318..27473		

Seq. No.	20057	Seq. ID	OJ990626_46.9C10.C6
Gene No.	41905	Strand	+
Start	1838	End	2098
Name	OJ990626_46.9C10.C6.o1.gp	Method	AAT/GAP
Start	1838	End	2098
GI	LIB3431-010-P1-N1-F11	Score	434
Exons	1838..2098		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	20057	Seq. ID	OJ990626_46.9C10.C6
Gene No.	41906	Strand	+
Start	2153	End	2412
Name	OJ990626_46.9C10.C6.o2.gp	Method	AAT/GAP
Start	2153	End	2412
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	2153..2412		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	20057	Seq. ID	OJ990626_46.9C10.C6
Gene No.	41907	Strand	+
Start	3989	End	4049
Name	OJ990626_46.9C10.C6.o3.gp	Method	AAT/GAP
Start	3989	End	4049
GI	2312838	Score	76
Exons	3989..4049		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	20057	Seq. ID	OJ990626_46.9C10.C6
Gene No.	41908	Strand	-
Start	2765	End	3237
Name	OJ990626_46.9C10.C6.o1.gs	Method	GENSCAN
Start	2765	End	3237
GI	none	Score	.73
Exons	2765..3237		

Seq. No.	20058	Seq. ID	OJ990626_46.9C10.C7
Gene No.	41909	Strand	+
Start	2578	End	5700
Name	OJ990626_46.9C10.C7.o3.np	Method	AAT/NAP
Start	2578	End	5700
GI	6721512	Score	93
Exons	2578..2601, 4223..4375, 4403..4532, 5680..5700		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	20058	Seq. ID	OJ990626_46.9C10.C7

Gene No.	41910	Strand	-
Start	2288	End	4755
Name	OJ990626_46.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	85	End	466
GI	none	Score	132
Exons	85..276, 98..289, 99..293, 113..289, 305..466, 341..445, 388..456		

Seq. No.	20058	Seq. ID	OJ990626_46.9C10.C7
Gene No.	41910	Strand	-
Start	2288	End	4755
Name	OJ990626_46.9C10.C7.o2.np	Method	AAT/NAP
Start	1479	End	4433
GI	6721562	Score	378
Exons	1479..1578, 2289..2872, 3131..3291, 4356..4433		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	20058	Seq. ID	OJ990626_46.9C10.C7
Gene No.	41910	Strand	-
Start	2288	End	4755
Name	OJ990626_46.9C10.C7.o2.gs	Method	GENSCAN
Start	2288	End	4755
GI	none	Score	.79
Exons	2288..2532, 2589..2946, 2973..3519, 3661..4312, 4638..4755		

Seq. No.	20058	Seq. ID	OJ990626_46.9C10.C7
Gene No.	41910	Strand	-
Start	2288	End	4755
Name	OJ990626_46.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	2384	End	2730
GI	none	Score	66
Exons	2384..2578, 2433..2579, 2617..2730, 2627..2719		

Seq. No.	20059	Seq. ID	OJ990626_46.9C10.C8
Gene No.	41911	Strand	+
Start	614	End	4045
Name	OJ990626_46.9C10.C8.o1.gs	Method	GENSCAN
Start	614	End	4045
GI	none	Score	.49
Exons	614..795, 3907..4045		

Seq. No.	20059	Seq. ID	OJ990626_46.9C10.C8
Gene No.	41911	Strand	+
Start	614	End	4045
Name	OJ990626_46.9C10.C8.o2.gp	Method	AAT/GAP
Start	3789	End	4039
GI	101153_1.R1084	Score	358
Exons	3789..4039		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20059	Seq. ID	OJ990626_46.9C10.C8
Gene No.	41912	Strand	+

Start	4401	End	6665
Name	OJ990626_46.9C10.C8.o1.np	Method	AAT/NAP
Start	4401	End	6665
GI	5852179	Score	253
Exons	4401..4628, 4702..4889, 4981..5100, 6585..6665		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	20059	Seq. ID	OJ990626_46.9C10.C8
Gene No.	41913	Strand	-
Start	4509	End	7774
Name	OJ990626_46.9C10.C8.o2.gs	Method	GENSCAN
Start	4509	End	7774
GI	none	Score	.45
Exons	4509..4958, 7772..7774		

Seq. No.	20060	Seq. ID	OJ990626_46.9C10.C9
Gene No.	41914	Strand	+
Start	1414	End	2259
Name	OJ990626_46.9C10.C9.o1.gs	Method	GENSCAN
Start	1414	End	2259
GI	none	Score	.46
Exons	1414..2259		

Seq. No.	20060	Seq. ID	OJ990626_46.9C10.C9
Gene No.	41915	Strand	-
Start	3170	End	4561
Name	OJ990626_46.9C10.C9.o2.gs	Method	GENSCAN
Start	3170	End	4561
GI	none	Score	.48
Exons	3170..3309, 3491..3517, 4489..4561		

Seq. No.	20061	Seq. ID	OJ990626_46.9C10.C12
Gene No.	41916	Strand	+
Start	8333	End	12137
Name	OJ990626_46.9C10.C12.o1.np	Method	AAT/NAP
Start	8333	End	12137
GI	6721547	Score	84
Exons	8333..8427, 11239..11326, 12064..12137		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	20061	Seq. ID	OJ990626_46.9C10.C12
Gene No.	41917	Strand	-
Start	28	End	6286
Name	OJ990626_46.9C10.C12.o1.gs	Method	GENSCAN
Start	28	End	6286
GI	none	Score	.67
Exons	28..165, 504..978, 1190..1455, 4518..4612, 6086..6286		

Seq. No.	20061	Seq. ID	OJ990626_46.9C10.C12
Gene No.	41918	Strand	-
Start	7898	End	11726
Name	OJ990626_46.9C10.C12.o2.gs	Method	GENSCAN
Start	7898	End	11726
GI	none	Score	.7
Exons	7898..7967, 9037..9047, 9555..9839, 10028..10444, 10565..10596, 10701..11019, 11179..11385, 11391..11726		

Seq. No.	20061	Seq. ID	OJ990626_46.9C10.C12
Gene No.	41919	Strand	-
Start	12242	End	12375
Name	OJ990626_46.9C10.C12.o3.gs	Method	GENSCAN
Start	12242	End	12375
GI	none	Score	.41
Exons	12242..12375		

Seq. No.	20062	Seq. ID	OJ990626_43.9C10.C1
Gene No.	41920	Strand	+
Start	155	End	544
Name	OJ990626_43.9C10.C1.o1.gs	Method	GENSCAN
Start	155	End	544
GI	none	Score	.49
Exons	155..265, 430..544		

Seq. No.	20063	Seq. ID	OJ990626_43.9C10.C2
Gene No.	41921	Strand	+
Start	3499	End	4325
Name	OJ990626_43.9C10.C2.o1.gs	Method	GENSCAN
Start	3499	End	4325
GI	none	Score	.71
Exons	3499..3577, 4162..4325		

Seq. No.	20063	Seq. ID	OJ990626_43.9C10.C2
Gene No.	41922	Strand	-
Start	6262	End	6473
Name	OJ990626_43.9C10.C2.o1.np	Method	AAT/NAP
Start	6262	End	6473
GI	4680186	Score	150
Exons	6262..6473		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o2.np	Method	AAT/NAP
Start	896	End	2965
GI	6069646	Score	987
Exons	896..1884, 2167..2965		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	914	End	1315
GI	none	Score	118
Exons	914..1087, 1166..1315		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073

Name	OJ990626_43.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	1103	End	1383
GI	none	Score	127
Exons	1103..1378, 1185..1382, 1258..1383		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	1322	End	1711
GI	none	Score	72
Exons	1322..1483, 1341..1484, 1532..1711		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	1715	End	1940
GI	none	Score	109
Exons	1715..1939, 1716..1940		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	1793	End	2332
GI	none	Score	178
Exons	1793..1921, 1952..1975, 1982..2332		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	1871	End	2311
GI	none	Score	46
Exons	1871..2029, 1901..1957, 2009..2311, 2019..2309		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	1952	End	2626
GI	none	Score	76
Exons	1952..2626, 2067..2225, 2301..2405, 2484..2588		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o5.tw	Method	TBLASTX:Wheat
Start	2426	End	2731
GI	none	Score	80
Exons	2426..2731, 2436..2540		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o2.tm	Method	TBLASTX:Maize

Start	2627	End	2992
GI	none	Score	260
Exons	2627..2992, 2634..2981, 2657..2983		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41923	Strand	-
Start	896	End	3073
Name	OJ990626_43.9C10.C3.o4.tw	Method	TBLASTX:Wheat
Start	2738	End	3073
GI	none	Score	96
Exons	2738..2944, 2933..3073		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41924	Strand	
Start	3152	End	3584
Name	OJ990626_43.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	3152	End	3584
GI	none	Score	59
Exons	3152..3301, 3300..3584, 3304..3426, 3414..3542		

Seq. No.	20064	Seq. ID	OJ990626_43.9C10.C3
Gene No.	41925	Strand	
Start	3795	End	4040
Name	OJ990626_43.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	3795	End	4040
GI	none	Score	137
Exons	3795..3899, 3903..4040		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41926	Strand	+
Start	573	End	2355
Name	OJ990626_43.9C10.C4.o1.gs	Method	GENSCAN
Start	573	End	2355
GI	none	Score	.64
Exons	573..938, 1184..1288, 1978..2110, 2178..2355		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41927	Strand	+
Start	12565	End	13449
Name	OJ990626_43.9C10.C4.o2.np	Method	AAT/NAP
Start	12565	End	13449
GI	6649085	Score	384
Exons	12565..13449		
GI Descrip.	(AF146269) resistance gene analog PIC22 [Oryza sativa]		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41928	Strand	+
Start	19318	End	30996
Name	OJ990626_43.9C10.C4.o1.gp	Method	AAT/GAP
Start	19318	End	23291
GI	none	Score	733
Exons	19318..19532, 19604..19734, 23226..23291		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41928	Strand	+
Start	19318	End	30996
Name	OJ990626_43.9C10.C4.o11.np	Method	AAT/NAP

Start	21967	End	29832
GI	6967115	Score	39
Exons	21967..22044, 28810..29001, 29701..29832		
GI Descrip.	(AL138652) disease resistance protein homlog [Arabidopsis thaliana]		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41928	Strand	+
Start	19318	End	30996
Name	OJ990626_43.9C10.C4.o9.np	Method	AAT/NAP
Start	25525	End	30878
GI	6606266	Score	679
Exons	25525..25555, 26544..26582, 27133..27755, 27782..29172, 30831..30878		
GI Descrip.	(AF158634) Vrga1 [Triticum ventricosum]		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41928	Strand	+
Start	19318	End	30996
Name	OJ990626_43.9C10.C4.o8.np	Method	AAT/NAP
Start	27174	End	27659
GI	5817335	Score	191
Exons	27174..27659		
GI Descrip.	(AF123695) putative NBS-LRR type disease resistance protein [Pisum sativum]		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41928	Strand	+
Start	19318	End	30996
Name	OJ990626_43.9C10.C4.o10.np	Method	AAT/NAP
Start	27693	End	30996
GI	4234953	Score	425
Exons	27693..29105, 29657..29816, 30920..30996		
GI Descrip.	(AF098970) NBS-LRR-like protein cD7 [Phaseolus vulgaris]		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41928	Strand	+
Start	19318	End	30996
Name	OJ990626_43.9C10.C4.o2.gp	Method	AAT/GAP
Start	28743	End	29239
GI	LIB3475-006-P1-K1-F11	Score	974
Exons	28743..29239		
GI Descrip.	'2258317 7.0e-15 (AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]'		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41929	Strand	-
Start	2680	End	3126
Name	OJ990626_43.9C10.C4.o2.gs	Method	GENSCAN
Start	2680	End	3126
GI	none	Score	.47
Exons	2680..3126		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41930	Strand	-
Start	4696	End	8580
Name	OJ990626_43.9C10.C4.o3.gs	Method	GENSCAN

Start	4696	End	8580
GI	none	Score	.64
Exons	4696..4760, 4904..8111, 8551..8580		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41930	Strand	-
Start	4696	End	8580
Name	OJ990626_43.9C10.C4.o1.np	Method	AAT/NAP
Start	5724	End	7460
GI	2792220	Score	665
Exons	5724..7460		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41931	Strand	-
Start	15321	End	29731
Name	OJ990626_43.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	5520	End	28876
GI	none	Score	52
Exons	5520..5636, 5679..5918, 5985..6041, 14026..14082, 14167..14388, 14560..14679, 21757..21855, 21954..22124, 22218..22274, 28541..28876		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41931	Strand	-
Start	15321	End	29731
Name	OJ990626_43.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	5671	End	28762
GI	none	Score	67
Exons	5671..5889, 5676..5882, 5919..5963, 5971..6093, 5973..6125, 6459..6647, 6633..6773, 13042..13164, 13177..13326, 13414..13446, 13999..14094, 14185..14388, 22152..22199, 22206..22325, 22728..22859, 22860..23012, 27639..27779, 27641..27763, 27833..27922, 27838..27918, 28033..28104, 28355..28468, 28532..28762		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41931	Strand	-
Start	15321	End	29731
Name	OJ990626_43.9C10.C4.o7.np	Method	AAT/NAP
Start	15321	End	29731
GI	2832635	Score	42
Exons	15321..15345, 23363..23540, 25799..25844, 28097..28185, 29673..29731		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41931	Strand	-
Start	15321	End	29731
Name	OJ990626_43.9C10.C4.o5.np	Method	AAT/NAP
Start	21490	End	22958
GI	4234953	Score	371
Exons	21490..22958		
GI Descrip.	(AF098970) NBS-LRR-like protein cD7 [Phaseolus vulgaris]		

Seq. No.	20065	Seq. ID	OJ990626_43.9C10.C4
Gene No.	41931	Strand	-

Start	15321	End	29731
Name	OJ990626_43.9C10.C4.o6.np	Method	AAT/NAP
Start	21957	End	23685
GI	2792220	Score	546
Exons	21957..23685		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	20066	Seq. ID	OJ990626_43.9C10.C5
Gene No.	41932	Strand	+
Start	214	End	1635
Name	OJ990626_43.9C10.C5.o1.gs	Method	GENSCAN
Start	214	End	1635
GI	none	Score	.78
Exons	214..310, 1451..1635		

Seq. No.	20066	Seq. ID	OJ990626_43.9C10.C5
Gene No.	41933	Strand	+
Start	3184	End	4541
Name	OJ990626_43.9C10.C5.o2.np	Method	AAT/NAP
Start	3184	End	4541
GI	6721547	Score	94
Exons	3184..3271, 4434..4541		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	20066	Seq. ID	OJ990626_43.9C10.C5
Gene No.	41934	Strand	-
Start	3181	End	4497
Name	OJ990626_43.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	337	End	642
GI	none	Score	106
Exons	337..642, 338..625		

Seq. No.	20066	Seq. ID	OJ990626_43.9C10.C5
Gene No.	41934	Strand	-
Start	3181	End	4497
Name	OJ990626_43.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	715	End	1002
GI	none	Score	91
Exons	715..1002, 905..997		

Seq. No.	20066	Seq. ID	OJ990626_43.9C10.C5
Gene No.	41934	Strand	-
Start	3181	End	4497
Name	OJ990626_43.9C10.C5.o2.gs	Method	GENSCAN
Start	3181	End	4497
GI	none	Score	.8
Exons	3181..3261, 4343..4497		

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41935	Strand	+
Start	3729	End	4594
Name	OJ990626_43.9C10.C6.o1.np	Method	AAT/NAP
Start	3729	End	4594
GI	6721543	Score	70
Exons	3729..3856, 4160..4235, 4554..4594		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41936	Strand	-
Start	3752	End	10771
Name	OJ990626_43.9C10.C6.o2.gs	Method	GENSCAN
Start	3752	End	10155
GI	none	Score	.63
Exons	3752..3912, 4330..4532, 4537..4584, 4648..4779, 4880..4935, 5093..5275, 5369..5627, 5704..6002, 6095..6220, 6377..6502, 6677..6923, 7029..7179, 7619..7816, 7950..10155		

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41936	Strand	-
Start	3752	End	10771
Name	OJ990626_43.9C10.C6.o2.np	Method	AAT/NAP
Start	4298	End	9702
GI	5441880	Score	4629
Exons	4298..4532, 4648..4779, 5026..5123, 5369..5627, 5704..6002, 6587..6923, 7029..7179, 7739..8027, 8221..8252, 8697..9702		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41936	Strand	-
Start	3752	End	10771
Name	OJ990626_43.9C10.C6.o1.gp	Method	AAT/GAP
Start	5377	End	5876
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	5377..5627, 5704..5876		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41936	Strand	-
Start	3752	End	10771
Name	OJ990626_43.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	8467	End	8847
GI	none	Score	80
Exons	8467..8634, 8528..8620, 8650..8838, 8653..8847		

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41936	Strand	-
Start	3752	End	10771
Name	OJ990626_43.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	8545	End	9141
GI	none	Score	151
Exons	8545..8616, 8680..8979, 8741..8962, 9013..9141, 9035..9127		

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41936	Strand	-
Start	3752	End	10771
Name	OJ990626_43.9C10.C6.o2.gp	Method	AAT/GAP
Start	8667	End	9098
GI	5701669	Score	845
Exons	8667..9098		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41936	Strand	-
Start	3752	End	10771
Name	OJ990626_43.9C10.C6.o3.np	Method	AAT/NAP
Start	9715	End	10771
GI	6721543	Score	156
Exons	9715..9831, 10644..10771		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	20067	Seq. ID	OJ990626_43.9C10.C6
Gene No.	41936	Strand	-
Start	3752	End	10771
Name	OJ990626_43.9C10.C6.o3.gp	Method	AAT/GAP
Start	10593	End	10757
GI	7406_1.R1084	Score	230
Exons	10593..10757		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	20068	Seq. ID	OJ990626_43.9C10.C7
Gene No.	41937	Strand	+
Start	190	End	2562
Name	OJ990626_43.9C10.C7.o1.gs	Method	GENSCAN
Start	190	End	2440
GI	none	Score	.58
Exons	190..395, 1468..2440		

Seq. No.	20068	Seq. ID	OJ990626_43.9C10.C7
Gene No.	41937	Strand	+
Start	190	End	2562
Name	OJ990626_43.9C10.C7.o1.np	Method	AAT/NAP
Start	1874	End	2562
GI	2792208	Score	149
Exons	1874..2048, 2337..2562		
GI Descrip.	(AF032682) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	20069	Seq. ID	OJ990626_43.9C10.C8
Gene No.	41938	Strand	-
Start	12	End	17
Name	OJ990626_43.9C10.C8.o1.gs	Method	GENSCAN
Start	12	End	17
GI	none	Score	.74
Exons	12..17		

Seq. No.	20070	Seq. ID	OJ990626_43.9C10.C9
Gene No.	41939	Strand	+
Start	255	End	431
Name	OJ990626_43.9C10.C9.o1.gs	Method	GENSCAN
Start	255	End	431
GI	none	Score	.48
Exons	255..431		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-

Start	916	End	5469
Name	OJ990626_43.9C10.C10.o1.np	Method	AAT/NAP
Start	583	End	5445
GI	4581139	Score	1892
Exons	583..686, 1015..1100, 1178..1343, 1520..1623, 1821..1981, 2102..3002, 3737..3827, 4106..4396, 4480..4564, 5387..5445		
GI Descrip.	(AC006919) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o1.gs	Method	GENSCAN
Start	916	End	5469
GI	none	Score	.89
Exons	916..1100, 1821..1981, 2102..3002, 3737..3869, 4106..4396, 5112..5148, 5387..5469		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o3.tm	Method	TBLASTX:Maize
Start	1579	End	1994
GI	none	Score	60
Exons	1579..1626, 1579..1623, 1580..1627, 1821..1994, 1823..1984		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	1589	End	2274
GI	none	Score	50
Exons	1589..1633, 1873..1983, 1879..1983, 2095..2262, 2101..2274		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	2104	End	2284
GI	none	Score	146
Exons	2104..2277, 2107..2283, 2108..2284		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o2.ts	Method	TBLASTX:Soybean
Start	2107	End	2392
GI	none	Score	110
Exons	2107..2202, 2206..2391, 2207..2392		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o2.tc	Method	TBLASTX:Cress
Start	2135	End	2476
GI	none	Score	136
Exons	2135..2311, 2137..2475, 2138..2476		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	2407	End	2851
GI	none	Score	120
Exons	2407..2850, 2429..2635, 2515..2832, 2669..2851		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	2575	End	2884
GI	none	Score	165
Exons	2575..2883, 2587..2877, 2594..2884		

Seq. No.	20071	Seq. ID	OJ990626_43.9C10.C10
Gene No.	41940	Strand	-
Start	916	End	5469
Name	OJ990626_43.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	2782	End	3825
GI	none	Score	188
Exons	2782..3003, 2783..3004, 3735..3824, 3736..3825		

Seq. No.	20072	Seq. ID	OJ990626_43.9C10.C11
Gene No.	41941	Strand	+
Start	337	End	449
Name	OJ990626_43.9C10.C11.o1.gs	Method	GENSCAN
Start	337	End	449
GI	none	Score	.91
Exons	337..449		

Seq. No.	20072	Seq. ID	OJ990626_43.9C10.C11
Gene No.	41942	Strand	+
Start	5718	End	5954
Name	OJ990626_43.9C10.C11.o4.gs	Method	GENSCAN
Start	5718	End	5954
GI	none	Score	.47
Exons	5718..5805, 5839..5954		

Seq. No.	20072	Seq. ID	OJ990626_43.9C10.C11
Gene No.	41943	Strand	-
Start	1	End	2091
Name	OJ990626_43.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	2091
GI	4581139	Score	255
Exons	1..21, 1222..1342, 1682..2091		
GI Descrip.	(AC006919) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	20072	Seq. ID	OJ990626_43.9C10.C11
Gene No.	41943	Strand	-
Start	1	End	2091
Name	OJ990626_43.9C10.C11.o2.gs	Method	GENSCAN
Start	1174	End	2068
GI	none	Score	.71
Exons	1174..1342, 1682..1854, 1889..2068		

Seq. No.	20072	Seq. ID	OJ990626_43.9C10.C11
Gene No.	41944	Strand	-
Start	4531	End	5073
Name	OJ990626_43.9C10.C11.o3.gs	Method	GENSCAN
Start	4531	End	5073
GI	none	Score	.79
Exons	4531..4804, 4937..5073		

Seq. No.	20072	Seq. ID	OJ990626_43.9C10.C11
Gene No.	41945	Strand	-
Start	7176	End	7391
Name	OJ990626_43.9C10.C11.o5.gs	Method	GENSCAN
Start	7176	End	7391
GI	none	Score	.94
Exons	7176..7391		

Seq. No.	20073	Seq. ID	OJ990626_43.9C10.C13
Gene No.	41946	Strand	+
Start	1	End	196
Name	OJ990626_43.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	196
GI	5917664	Score	120
Exons	1..196		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	20074	Seq. ID	OJ990626_43.9C10.C15
Gene No.	41947	Strand	+
Start	153	End	396
Name	OJ990626_43.9C10.C15.o1.np	Method	AAT/NAP
Start	153	End	396
GI	6721543	Score	66
Exons	153..396		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	20075	Seq. ID	OJ990626_43.9C10.C16
Gene No.	41948	Strand	+
Start	1	End	2043
Name	OJ990626_43.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	918
GI	2792220	Score	257
Exons	1..918		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	20075	Seq. ID	OJ990626_43.9C10.C16
Gene No.	41948	Strand	+
Start	1	End	2043
Name	OJ990626_43.9C10.C16.o2.np	Method	AAT/NAP
Start	1	End	2043
GI	2258317	Score	336
Exons	1..1317, 1600..1713, 1887..2043		
GI Descrip.	(AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		

Seq. No.	20075	Seq. ID	OJ990626_43.9C10.C16
Gene No.	41949	Strand	-
Start	2525	End	3935
Name	OJ990626_43.9C10.C16.o4.np	Method	AAT/NAP

Start	2525	End	3935
GI	543911	Score	79
Exons	2525..2611, 3528..3626, 3798..3935		
GI Descrip.	SUCCINATE DEHYDROGENASE CYTOCHROME B560 SUBUNIT (SUCCINATE DEHYDROGENASE, SUBUNIT III) gi|282760|pir||S25968 hypothetical protein 137 - liverwort (Marchantia polymorpha) mitochondrion gi|786193 (M68929) ORF137 [Marchantia polymorpha]		

Seq. No.	20075	Seq. ID	OJ990626_43.9C10.C16
Gene No.	41950	Strand	-
Start	3894	End	4328
Name	OJ990626_43.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	3762	End	4104
GI	none	Score	289
Exons	3762..3977, 3763..3975, 3982..4047, 3984..4049, 4081..4104		

Seq. No.	20075	Seq. ID	OJ990626_43.9C10.C16
Gene No.	41950	Strand	-
Start	3894	End	4328
Name	OJ990626_43.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	3846	End	4104
GI	none	Score	383
Exons	3846..4067, 3847..4104, 3847..4101, 3905..4102		

Seq. No.	20075	Seq. ID	OJ990626_43.9C10.C16
Gene No.	41950	Strand	-
Start	3894	End	4328
Name	OJ990626_43.9C10.C16.o1.gp	Method	AAT/GAP
Start	3894	End	4328
GI	none	Score	870
Exons	3894..4328		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41951	Strand	+
Start	5246	End	11654
Name	OJ990626_43.9C10.C17.o2.gp	Method	AAT/GAP
Start	5095	End	5567
GI	none	Score	938
Exons	5095..5567		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41951	Strand	+
Start	5246	End	11654
Name	OJ990626_43.9C10.C17.o2.gs	Method	GENSCAN
Start	5246	End	11440
GI	none	Score	.75
Exons	5246..5613, 5746..5860, 5960..6130, 6485..6632, 6723..6870, 6963..7116, 7211..7420, 7862..8024, 8131..8391, 8464..8582, 8662..8823, 8974..9217, 9349..9485, 10227..10365, 10493..10699, 10781..10866, 10906..11246, 11343..11440		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41951	Strand	+
Start	5246	End	11654
Name	OJ990626_43.9C10.C17.o1.np	Method	AAT/NAP
Start	5417	End	11654
GI	3367519	Score	3005

Exons	5417..5860, 6485..6632, 6792..6881, 7206..7420, 7530..7775, 7862..8024, 8131..8391, 8464..8582, 8662..8823, 8974..9064, 9109..9230, 9356..9487, 10229..10365, 10493..10693, 10781..11246, 11343..11559, 11631..11654		
GI Descrip.	(AC004392) Contains similarity to gb|U51898 Ca2+-independent phospholipase A2 from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41952	Strand	-
Start	1	End	137
Name	OJ990626_43.9C10.C17.o1.gp	Method	AAT/GAP
Start	1	End	137
GI	none	Score	266
Exons	1..137		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41953	Strand	-
Start	815	End	2754
Name	OJ990626_43.9C10.C17.o1.gs	Method	GENSCAN
Start	815	End	2754
GI	none	Score	.69
Exons	815..1058, 1064..1146, 1709..2078, 2702..2754		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41954	Strand	
Start	5813	End	7053
Name	OJ990626_43.9C10.C17.o3.ts	Method	TBLASTX:Soybean
Start	5813	End	7053
GI	none	Score	74
Exons	5813..5869, 6485..6631, 6487..6630, 6513..6632, 6790..6870, 6791..6871, 6960..7052, 6961..7053		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41955	Strand	
Start	7355	End	8576
Name	OJ990626_43.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	7355	End	8168
GI	none	Score	93
Exons	7355..7423, 7360..7422, 7529..7618, 7530..7781, 7662..7778, 7860..8021, 7861..8022, 7864..8025, 7865..8026, 8124..8168, 8126..8167		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41955	Strand	
Start	7355	End	8576
Name	OJ990626_43.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	7995	End	8576
GI	none	Score	55
Exons	7995..8042, 7996..8025, 8124..8396, 8126..8392, 8133..8408, 8134..8418, 8445..8576, 8462..8575		

Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41956	Strand	
Start	8659	End	9226
Name	OJ990626_43.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	8659	End	9226
GI	none	Score	260

Exons	8659..8823, 8660..8812, 8661..8819, 8968..9072, 8972..9073, 8972..9055, 8973..9071, 9060..9215, 9084..9224, 9085..9216, 9086..9226, 9137..9220		
Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41957	Strand	
Start	10266	End	10875
Name	OJ990626_43.9C10.C17.o2.tm	Method	TBLASTX:Maize
Start	10266	End	10875
GI	none	Score	166
Exons	10266..10364, 10266..10370, 10270..10365, 10466..10678, 10492..10707, 10492..10629, 10530..10703, 10768..10875, 10775..10873, 10780..10875		
Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41958	Strand	
Start	10797	End	11091
Name	OJ990626_43.9C10.C17.o2.ts	Method	TBLASTX:Soybean
Start	10797	End	11091
GI	none	Score	102
Exons	10797..10880, 10798..10881, 10802..10906, 10885..10977, 10957..11091, 10959..11090		
Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41959	Strand	
Start	11030	End	11190
Name	OJ990626_43.9C10.C17.o4.tm	Method	TBLASTX:Maize
Start	11030	End	11190
GI	none	Score	154
Exons	11030..11188, 11031..11189, 11032..11190		
Seq. No.	20076	Seq. ID	OJ990626_43.9C10.C17
Gene No.	41960	Strand	
Start	11190	End	11654
Name	OJ990626_43.9C10.C17.o3.tm	Method	TBLASTX:Maize
Start	11190	End	11654
GI	none	Score	84
Exons	11190..11249, 11190..11246, 11191..11250, 11340..11483, 11340..11516, 11341..11574, 11342..11572, 11344..11577, 11619..11654, 11622..11654		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41961	Strand	+
Start	1	End	712
Name	OJ990626_43.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	706
GI	3367519	Score	302
Exons	1..48, 272..706		
GI Descrip.	(AC004392) Contains similarity to gb|U51898 Ca2+-independent phospholipase A2 from Rattus norvegicus. [Arabidopsis thaliana]		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41961	Strand	+
Start	1	End	712
Name	OJ990626_43.9C10.C18.o1.gs	Method	GENSCAN
Start	347	End	712
GI	none	Score	.73

Exons	347..712		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41962	Strand	-
Start	1389	End	3484
Name	OJ990626_43.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	271	End	819
GI	none	Score	383
Exons	271..501, 272..571, 272..535, 560..718, 577..717, 736..819		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41962	Strand	-
Start	1389	End	3484
Name	OJ990626_43.9C10.C18.o2.ts	Method	TBLASTX:Soybean
Start	272	End	541
GI	none	Score	184
Exons	272..463, 272..406, 274..462, 497..541		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41962	Strand	-
Start	1389	End	3484
Name	OJ990626_43.9C10.C18.o2.gs	Method	GENSCAN
Start	1389	End	3484
GI	none	Score	.54
Exons	1389..1646, 2396..2476, 2478..2630, 3191..3225, 3344..3484		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41962	Strand	-
Start	1389	End	3484
Name	OJ990626_43.9C10.C18.o2.tm	Method	TBLASTX:Maize
Start	1396	End	1613
GI	none	Score	132
Exons	1396..1611, 1410..1613, 1557..1613		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41962	Strand	-
Start	1389	End	3484
Name	OJ990626_43.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	1443	End	1665
GI	none	Score	93
Exons	1443..1646, 1549..1665		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41962	Strand	-
Start	1389	End	3484
Name	OJ990626_43.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	1491	End	2491
GI	none	Score	121
Exons	1491..1646, 1552..1647, 2396..2464, 2430..2465, 2447..2491		
Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41962	Strand	-
Start	1389	End	3484
Name	OJ990626_43.9C10.C18.o3.tm	Method	TBLASTX:Maize
Start	1614	End	2539
GI	none	Score	66
Exons	1614..1649, 1614..1646, 1615..1647, 1616..1648, 2396..2539,		

2427..2537

Seq. No.	20077	Seq. ID	OJ990626_43.9C10.C18
Gene No.	41962	Strand	-
Start	1389	End	3484
Name	OJ990626_43.9C10.C18.o1.gp	Method	AAT/GAP
Start	2396	End	2681
GI	none	Score	489
Exons	2396..2681		

Seq. No.	20078	Seq. ID	OJ990626_43.9C10.C19
Gene No.	41963	Strand	+
Start	1	End	401
Name	OJ990626_43.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	401
GI	6815099	Score	80
Exons	1..93, 317..401		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	20078	Seq. ID	OJ990626_43.9C10.C19
Gene No.	41964	Strand	+
Start	1292	End	2043
Name	OJ990626_43.9C10.C19.o1.gs	Method	GENSCAN
Start	1292	End	2043
GI	none	Score	.52
Exons	1292..1527, 1676..1767, 1919..2043		

Seq. No.	20078	Seq. ID	OJ990626_43.9C10.C19
Gene No.	41965	Strand	-
Start	2379	End	3059
Name	OJ990626_43.9C10.C19.o1.gp	Method	AAT/GAP
Start	2379	End	3059
GI	none	Score	1271
Exons	2379..3059		

Seq. No.	20079	Seq. ID	OJ990626_43.9C10.C20
Gene No.	41966	Strand	+
Start	3288	End	3605
Name	OJ990626_43.9C10.C20.o1.gs	Method	GENSCAN
Start	3288	End	3605
GI	none	Score	.4
Exons	3288..3605		

Seq. No.	20079	Seq. ID	OJ990626_43.9C10.C20
Gene No.	41967	Strand	+
Start	10486	End	10710
Name	OJ990626_43.9C10.C20.o1.gp	Method	AAT/GAP
Start	10486	End	10710
GI	none	Score	411
Exons	10486..10710		

Seq. No.	20079	Seq. ID	OJ990626_43.9C10.C20
Gene No.	41968	Strand	-
Start	5144	End	10547
Name	OJ990626_43.9C10.C20.o2.gs	Method	GENSCAN
Start	5144	End	10547
GI	none	Score	.57

Exons	5144..5178, 5272..5308, 5372..5767, 5835..5925, 6746..6860, 8953..9134, 10402..10547		
Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o1.np	Method	AAT/NAP
Start	1	End	3991
GI	4490702	Score	1134
Exons	1..429, 1210..1401, 1534..2110, 2146..2276, 2936..3050, 3078..3279, 3307..3991		
GI Descrip.	(AL035680) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o1.gs	Method	GENSCAN
Start	55	End	3724
GI	none	Score	.74
Exons	55..429, 1210..1401, 1534..1606, 1696..2276, 2936..3724		
Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o2.ts	Method	TBLASTX:Soybean
Start	204	End	1287
GI	none	Score	125
Exons	204..293, 205..300, 211..336, 316..375, 334..435, 1207..1287		
Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o3.tm	Method	TBLASTX:Maize
Start	283	End	1790
GI	none	Score	148
Exons	283..435, 289..432, 351..434, 1200..1352, 1207..1404, 1207..1404, 1209..1406, 1517..1582, 1531..1602, 1532..1582, 1533..1598, 1687..1743, 1689..1742, 1690..1752, 1740..1790, 1757..1789		
Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	1791	End	3157
GI	none	Score	208
Exons	1791..1958, 1795..1971, 1795..1938, 1796..2005, 1938..2276, 1945..2280, 1956..2276, 1982..2278, 2925..3098, 2932..3096, 2942..3097, 3095..3157, 3102..3155		
Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o1.ts	Method	TBLASTX:Soybean
Start	2167	End	3442
GI	none	Score	112
Exons	2167..2277, 2183..2278, 2184..2276, 2194..2280, 2930..3016,		

2934..3056, 2942..3151, 3064..3213, 3068..3226, 3263..3442, 3271..3438, 3332..3442

Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o4.tm	Method	TBLASTX:Maize
Start	3157	End	3373
GI	none	Score	74
Exons	3157..3207, 3158..3217, 3161..3208, 3170..3373, 3217..3372		

Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o1.gp	Method	AAT/GAP
Start	3180	End	3594
GI	64728_1.R1084	Score	830
Exons	3180..3594		
GI Descrip.	'4490702/emb|CAB38836.1| 1.0e-22 (AL035680) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	20080	Seq. ID	OJ990626_43.9C10.C21
Gene No.	41969	Strand	+
Start	1	End	3991
Name	OJ990626_43.9C10.C21.o2.tm	Method	TBLASTX:Maize
Start	3374	End	3751
GI	none	Score	608
Exons	3374..3751, 3379..3750		

Seq. No.	20081	Seq. ID	OJ990626_43.9C10.C22
Gene No.	41970	Strand	-
Start	1	End	651
Name	OJ990626_43.9C10.C22.o1.np	Method	AAT/NAP
Start	1	End	651
GI	2258315	Score	122
Exons	1..651		
GI Descrip.	(AF004878) resistance complex protein I2C-1 [Lycopersicon esculentum]		

Seq. No.	20081	Seq. ID	OJ990626_43.9C10.C22
Gene No.	41970	Strand	-
Start	1	End	651
Name	OJ990626_43.9C10.C22.o1.gs	Method	GENSCAN
Start	80	End	605
GI	none	Score	.89
Exons	80..194, 537..605		

Seq. No.	20082	Seq. ID	OJ990626_43.9C10.C23
Gene No.	41971	Strand	+
Start	120	End	1064
Name	OJ990626_43.9C10.C23.o1.gs	Method	GENSCAN
Start	120	End	990
GI	none	Score	.63
Exons	120..139, 204..325, 448..507, 688..990		

Seq. No.	20082	Seq. ID	OJ990626_43.9C10.C23
Gene No.	41971	Strand	+

Start	120	End	1064
Name	OJ990626_43.9C10.C23.o1.np	Method	AAT/NAP
Start	437	End	1064
GI	2498930	Score	695
Exons	437..507, 688..1064		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20083	Seq. ID	OJ990626_37.9C09.C1
Gene No.	41972	Strand	+
Start	166	End	623
Name	OJ990626_37.9C09.C1.o1.gs	Method	GENSCAN
Start	166	End	623
GI	none	Score	.44
Exons	166..623		

Seq. No.	20084	Seq. ID	OJ990626_37.9C09.C2
Gene No.	41973	Strand	+
Start	1168	End	1431
Name	OJ990626_37.9C09.C2.o1.gp	Method	AAT/GAP
Start	1168	End	1431
GI	2315_5.R1084	Score	349
Exons	1168..1431		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20084	Seq. ID	OJ990626_37.9C09.C2
Gene No.	41974	Strand	-
Start	1	End	1466
Name	OJ990626_37.9C09.C2.o1.np	Method	AAT/NAP
Start	1	End	1466
GI	3377836	Score	125
Exons	1..298, 1443..1466		
GI Descrip.	(AF075598) contains similarity to reverse transcriptases [Arabidopsis thaliana]		

Seq. No.	20084	Seq. ID	OJ990626_37.9C09.C2
Gene No.	41974	Strand	-
Start	1	End	1466
Name	OJ990626_37.9C09.C2.o1.tm	Method	TBLASTX:Maize
Start	113	End	487
GI	none	Score	93
Exons	113..379, 113..379, 422..487		

Seq. No.	20084	Seq. ID	OJ990626_37.9C09.C2
Gene No.	41974	Strand	-
Start	1	End	1466
Name	OJ990626_37.9C09.C2.o1.gs	Method	GENSCAN
Start	137	End	1396
GI	none	Score	.41
Exons	137..700, 1391..1396		

Seq. No.	20085	Seq. ID	OJ990626_37.9C09.C4
Gene No.	41975	Strand	-
Start	1	End	383
Name	OJ990626_37.9C09.C4.o1.np	Method	AAT/NAP
Start	1	End	383

GI	6466937	Score	397
Exons	1..383		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20085	Seq. ID	OJ990626_37.9C09.C4
Gene No.	41975	Strand	-
Start	1	End	383
Name	OJ990626_37.9C09.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	383
GI	none	Score	129
Exons	2..307, 6..281, 312..383, 316..381		

Seq. No.	20085	Seq. ID	OJ990626_37.9C09.C4
Gene No.	41975	Strand	-
Start	1	End	383
Name	OJ990626_37.9C09.C4.o1.tw	Method	TBLASTX:Wheat
Start	8	End	377
GI	none	Score	73
Exons	8..73, 98..307, 138..293, 297..377		

Seq. No.	20085	Seq. ID	OJ990626_37.9C09.C4
Gene No.	41975	Strand	-
Start	1	End	383
Name	OJ990626_37.9C09.C4.o1.gs	Method	GENSCAN
Start	69	End	364
GI	none	Score	.42
Exons	69..364		

Seq. No.	20086	Seq. ID	OJ990626_37.9C09.C5
Gene No.	41976	Strand	-
Start	441	End	1781
Name	OJ990626_37.9C09.C5.o1.gs	Method	GENSCAN
Start	441	End	1781
GI	none	Score	.49
Exons	441..1781		

Seq. No.	20087	Seq. ID	OJ990626_37.9C09.C7
Gene No.	41977	Strand	-
Start	1379	End	2309
Name	OJ990626_37.9C09.C7.o1.gs	Method	GENSCAN
Start	1379	End	2309
GI	none	Score	.52
Exons	1379..1470, 2231..2309		

Seq. No.	20088	Seq. ID	OJ990626_37.9C09.C8
Gene No.	41978	Strand	-
Start	453	End	743
Name	OJ990626_37.9C09.C8.o1.gs	Method	GENSCAN
Start	453	End	743
GI	none	Score	.89
Exons	453..743		

Seq. No.	20089	Seq. ID	OJ990626_37.9C09.C9
Gene No.	41979	Strand	+
Start	36	End	741
Name	OJ990626_37.9C09.C9.o1.gs	Method	GENSCAN

Start	36	End	741
GI	none	Score	.88
Exons	36..232, 292..416, 494..741		

Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41980	Strand	-
Start	1	End	4391
Name	OJ990626_37.9C09.C11.o1.np	Method	AAT/NAP
Start	1	End	4391
GI	4038594	Score	96
Exons	1..82, 335..383, 620..710, 4369..4391		
GI Descrip.	(AJ222798) tDET1 protein [Lycopersicon esculentum] gi|4454332|emb|CAA11914| (AJ224356) tDET1 protein [Lycopersicon esculentum]		

Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o5.tm	Method	TBLASTX:Maize
Start	4822	End	5486
GI	none	Score	86
Exons	4822..4998, 4843..5031, 4846..5010, 4855..4965, 4873..5025, 4873..5025, 4905..4976, 4908..4934, 4953..5030, 4960..5061, 4988..5059, 5024..5206, 5030..5176, 5032..5178, 5033..5173, 5033..5188, 5033..5173, 5033..5086, 5034..5174, 5035..5187, 5070..5195, 5071..5193, 5074..5199, 5084..5254, 5224..5304, 5228..5305, 5228..5323, 5230..5304, 5234..5323, 5234..5305, 5250..5309, 5327..5455, 5345..5482, 5376..5411, 5378..5464, 5381..5482, 5385..5486		

Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o2.gs	Method	GENSCAN
Start	9022	End	19676
GI	none	Score	.52
Exons	9022..9230, 9383..9471, 9904..9957, 10829..10968, 11320..11495, 11612..11669, 14866..15062, 15307..15536, 15850..15984, 16194..16316, 17121..17154, 17384..17919, 18216..18360, 18538..18687, 18748..18850, 19097..19278, 19588..19676		

Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o2.np	Method	AAT/NAP
Start	15746	End	19723
GI	3600044	Score	838
Exons	15746..15792, 17311..19723		
GI Descrip.	(AF080119) contains similarity to proteases [Arabidopsis thaliana]		

Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o1.tm	Method	TBLASTX:Maize
Start	17361	End	17762
GI	none	Score	231

Exons	17361..17762, 17362..17751, 17373..17756		
Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o1.tw	Method	TBLASTX:Wheat
Start	17361	End	17792
GI	none	Score	122
Exons	17361..17621, 17362..17619, 17388..17627, 17631..17792, 17632..17784		
Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o1.ts	Method	TBLASTX:Soybean
Start	17412	End	17834
GI	none	Score	86
Exons	17412..17834, 17554..17685		
Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o3.tm	Method	TBLASTX:Maize
Start	17769	End	18083
GI	none	Score	80
Exons	17769..17927, 17773..17880, 17844..18083, 17928..18047, 17929..18081		
Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o2.tw	Method	TBLASTX:Wheat
Start	18350	End	18715
GI	none	Score	118
Exons	18350..18715, 18366..18713		
Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o1.tc	Method	TBLASTX:Cress
Start	18356	End	18805
GI	none	Score	83
Exons	18356..18805, 18360..18554, 18618..18776		
Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o2.ts	Method	TBLASTX:Soybean
Start	18371	End	18835
GI	none	Score	66
Exons	18371..18835, 18528..18680		
Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o2.tm	Method	TBLASTX:Maize
Start	18386	End	18845

GI	none	Score	257
Exons	18386..18763, 18387..18716, 18536..18733, 18725..18841, 18738..18845		

Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o4.tm	Method	TBLASTX:Maize
Start	18848	End	19129
GI	none	Score	63
Exons	18848..18946, 18876..18953, 18959..19129, 18963..19052		

Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o3.tw	Method	TBLASTX:Wheat
Start	19286	End	19546
GI	none	Score	90
Exons	19286..19546, 19299..19454, 19497..19541		

Seq. No.	20090	Seq. ID	OJ990626_37.9C09.C11
Gene No.	41981	Strand	-
Start	9022	End	19723
Name	OJ990626_37.9C09.C11.o6.tm	Method	TBLASTX:Maize
Start	19292	End	19642
GI	none	Score	72
Exons	19292..19465, 19302..19460, 19475..19642		

Seq. No.	20091	Seq. ID	OJ990626_37.9C09.C13
Gene No.	41982	Strand	-
Start	96	End	276
Name	OJ990626_37.9C09.C13.o1.gs	Method	GENSCAN
Start	96	End	276
GI	none	Score	.51
Exons	96..276		

Seq. No.	20092	Seq. ID	OJ990626_37.9C09.C14
Gene No.	41983	Strand	-
Start	1	End	254
Name	OJ990626_37.9C09.C14.o1.np	Method	AAT/NAP
Start	1	End	254
GI	2498930	Score	98
Exons	1..37, 205..254		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20093	Seq. ID	OJ990626_37.9C09.C15
Gene No.	41984	Strand	-
Start	1	End	910
Name	OJ990626_37.9C09.C15.o1.np	Method	AAT/NAP
Start	1	End	910
GI	6466937	Score	520
Exons	1..910		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20093	Seq. ID	OJ990626_37.9C09.C15

Gene No.	41984	Strand	-
Start	1	End	910
Name	OJ990626_37.9C09.C15.o2.tm	Method	TBLASTX:Maize
Start	14	End	307
GI	none	Score	71
Exons	14..163, 149..307, 204..305		

Seq. No.	20093	Seq. ID	OJ990626_37.9C09.C15
Gene No.	41984	Strand	-
Start	1	End	910
Name	OJ990626_37.9C09.C15.o1.tw	Method	TBLASTX:Wheat
Start	182	End	604
GI	none	Score	233
Exons	182..604		

Seq. No.	20093	Seq. ID	OJ990626_37.9C09.C15
Gene No.	41984	Strand	-
Start	1	End	910
Name	OJ990626_37.9C09.C15.o2.ts	Method	TBLASTX:Soybean
Start	353	End	598
GI	none	Score	179
Exons	353..598		

Seq. No.	20093	Seq. ID	OJ990626_37.9C09.C15
Gene No.	41984	Strand	-
Start	1	End	910
Name	OJ990626_37.9C09.C15.o1.tm	Method	TBLASTX:Maize
Start	359	End	860
GI	none	Score	102
Exons	359..637, 408..569, 645..860, 718..831		

Seq. No.	20093	Seq. ID	OJ990626_37.9C09.C15
Gene No.	41984	Strand	-
Start	1	End	910
Name	OJ990626_37.9C09.C15.o1.ts	Method	TBLASTX:Soybean
Start	642	End	896
GI	none	Score	209
Exons	642..896		

Seq. No.	20093	Seq. ID	OJ990626_37.9C09.C15
Gene No.	41984	Strand	-
Start	1	End	910
Name	OJ990626_37.9C09.C15.o2.tw	Method	TBLASTX:Wheat
Start	648	End	884
GI	none	Score	181
Exons	648..884		

Seq. No.	20094	Seq. ID	OJ990626_37.9C09.C16
Gene No.	41985	Strand	-
Start	135	End	633
Name	OJ990626_37.9C09.C16.o1.gp	Method	AAT/GAP
Start	135	End	633
GI	none	Score	941
Exons	135..633		

Seq. No.	20094	Seq. ID	OJ990626_37.9C09.C16
Gene No.	41985	Strand	-

Start	135	End	633
Name	OJ990626_37.9C09.C16.o1.gs	Method	GENSCAN
Start	368	End	586
GI	none	Score	.98
Exons	368..586		

Seq. No.	20095	Seq. ID	OJ990626_37.9C09.C17
Gene No.	41986	Strand	+
Start	92	End	595
Name	OJ990626_37.9C09.C17.o1.tw	Method	TBLASTX:Wheat
Start	71	End	595
GI	none	Score	175
Exons	71..190, 79..192, 80..193, 450..500, 451..504, 451..501, 462..590, 496..591, 497..592, 503..595		

Seq. No.	20095	Seq. ID	OJ990626_37.9C09.C17
Gene No.	41986	Strand	+
Start	92	End	595
Name	OJ990626_37.9C09.C17.o1.tm	Method	TBLASTX:Maize
Start	89	End	594
GI	none	Score	109
Exons	89..160, 91..168, 91..159, 163..192, 164..193, 450..593, 451..594, 451..591, 452..592		

Seq. No.	20095	Seq. ID	OJ990626_37.9C09.C17
Gene No.	41986	Strand	+
Start	92	End	595
Name	OJ990626_37.9C09.C17.o1.np	Method	AAT/NAP
Start	92	End	586
GI	4038594	Score	214
Exons	92..191, 453..586		
GI Descrip.	(AJ222798) tDET1 protein [Lycopersicon esculentum] gi|4454332|emb|CAA11914| (AJ224356) tDET1 protein [Lycopersicon esculentum]		

Seq. No.	20096	Seq. ID	OJ990626_37.9C09.C18
Gene No.	41987	Strand	+
Start	773	End	1855
Name	OJ990626_37.9C09.C18.o1.gs	Method	GENSCAN
Start	773	End	1840
GI	none	Score	.59
Exons	773..1017, 1624..1840		

Seq. No.	20096	Seq. ID	OJ990626_37.9C09.C18
Gene No.	41987	Strand	+
Start	773	End	1855
Name	OJ990626_37.9C09.C18.o1.gp	Method	AAT/GAP
Start	1556	End	1855
GI	none	Score	568
Exons	1556..1855		

Seq. No.	20097	Seq. ID	OJ990626_37.9C09.C19
Gene No.	41988	Strand	+
Start	97	End	1255
Name	OJ990626_37.9C09.C19.o1.gs	Method	GENSCAN
Start	97	End	1255
GI	none	Score	.91

Exons	97..123, 765..965, 1052..1255		
Seq. No.	20098	Seq. ID	OJ990626_37.9C09.C20
Gene No.	41989	Strand	+
Start	130	End	236
Name	OJ990626_37.9C09.C20.o1.gs	Method	GENSCAN
Start	130	End	236
GI	none	Score	.9
Exons	130..236		
Seq. No.	20099	Seq. ID	OJ990626_37.9C09.C21
Gene No.	41990	Strand	-
Start	1	End	108
Name	OJ990626_37.9C09.C21.o1.np	Method	AAT/NAP
Start	1	End	108
GI	6705984	Score	127
Exons	1..108		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	20100	Seq. ID	OJ990626_37.9C09.C22
Gene No.	41991	Strand	-
Start	1	End	553
Name	OJ990626_37.9C09.C22.o1.np	Method	AAT/NAP
Start	1	End	553
GI	4680203	Score	103
Exons	1..154, 531..553		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	20101	Seq. ID	OJ990626_37.9C09.C23
Gene No.	41992	Strand	+
Start	2638	End	2990
Name	OJ990626_37.9C09.C23.o1.gp	Method	AAT/GAP
Start	2638	End	2990
GI	none	Score	525
Exons	2638..2738, 2769..2990		
Seq. No.	20101	Seq. ID	OJ990626_37.9C09.C23
Gene No.	41993	Strand	-
Start	1	End	4356
Name	OJ990626_37.9C09.C23.o1.np	Method	AAT/NAP
Start	1	End	4356
GI	5816991	Score	262
Exons	1..261, 993..1178, 4316..4356		
GI Descrip.	(AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]		
Seq. No.	20101	Seq. ID	OJ990626_37.9C09.C23
Gene No.	41994	Strand	-
Start	4509	End	6105
Name	OJ990626_37.9C09.C23.o1.ts	Method	TBLASTX:Soybean
Start	5	End	255
GI	none	Score	42
Exons	5..49, 18..50, 75..254, 94..255		
Seq. No.	20101	Seq. ID	OJ990626_37.9C09.C23
Gene No.	41994	Strand	-
Start	4509	End	6105

Name	OJ990626_37.9C09.C23.o1.tm	Method	TBLASTX:Maize
Start	90	End	261
GI	none	Score	211
Exons	90..260, 91..261		

Seq. No.	20101	Seq. ID	OJ990626_37.9C09.C23
Gene No.	41994	Strand	-
Start	4509	End	6105
Name	OJ990626_37.9C09.C23.o2.gs	Method	GENSCAN
Start	4509	End	6105
GI	none	Score	.84
Exons	4509..4694, 4772..4864, 4966..5026, 5114..5224, 5305..5556, 5640..5742, 5971..6105		

Seq. No.	20102	Seq. ID	OJ990626_37.9C09.C24
Gene No.	41995	Strand	-
Start	443	End	674
Name	OJ990626_37.9C09.C24.o1.gs	Method	GENSCAN
Start	443	End	674
GI	none	Score	.54
Exons	443..674		

Seq. No.	20103	Seq. ID	OJ990426_21.9C03.C1
Gene No.	41996	Strand	+
Start	102	End	423
Name	OJ990426_21.9C03.C1.o1.gp	Method	AAT/GAP
Start	102	End	423
GI	2315_6.R1084	Score	74
Exons	102..123, 364..423		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 4.0e-38 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20103	Seq. ID	OJ990426_21.9C03.C1
Gene No.	41997	Strand	-
Start	2096	End	3071
Name	OJ990426_21.9C03.C1.o1.gs	Method	GENSCAN
Start	2096	End	3071
GI	none	Score	.74
Exons	2096..2181, 2233..2512, 2677..3071		

Seq. No.	20103	Seq. ID	OJ990426_21.9C03.C1
Gene No.	41997	Strand	-
Start	2096	End	3071
Name	OJ990426_21.9C03.C1.o2.gp	Method	AAT/GAP
Start	2535	End	2865
GI	69014_1.R1084	Score	593
Exons	2535..2865		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	20104	Seq. ID	OJ990426_21.9C03.C2
Gene No.	41998	Strand	+
Start	1	End	4105
Name	OJ990426_21.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	1466
GI	6691193	Score	497

Exons	1..43, 997..1466		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		
Seq. No.	20104	Seq. ID	OJ990426_21.9C03.C2
Gene No.	41998	Strand	+
Start	1	End	4105
Name	OJ990426_21.9C03.C2.o2.np	Method	AAT/NAP
Start	1	End	4061
GI	5852181	Score	125
Exons	1..24, 2631..2789, 4027..4061		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	20104	Seq. ID	OJ990426_21.9C03.C2
Gene No.	41998	Strand	+
Start	1	End	4105
Name	OJ990426_21.9C03.C2.o1.gs	Method	GENSCAN
Start	979	End	4105
GI	none	Score	.65
Exons	979..1039, 1128..1269, 1639..1708, 2631..2789, 2934..2986, 3902..4105		
Seq. No.	20104	Seq. ID	OJ990426_21.9C03.C2
Gene No.	41998	Strand	+
Start	1	End	4105
Name	OJ990426_21.9C03.C2.o3.np	Method	AAT/NAP
Start	3009	End	4102
GI	4680186	Score	363
Exons	3009..3063, 3902..4102		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	20104	Seq. ID	OJ990426_21.9C03.C2
Gene No.	41999	Strand	-
Start	3654	End	4035
Name	OJ990426_21.9C03.C2.o1.gp	Method	AAT/GAP
Start	3654	End	4035
GI	uC-osflcyp033a04b1	Score	667
Exons	3654..4035		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	20104	Seq. ID	OJ990426_21.9C03.C2
Gene No.	42000	Strand	-
Start	5122	End	5181
Name	OJ990426_21.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	1084	End	1459
GI	none	Score	263
Exons	1084..1302, 1096..1302, 1306..1452, 1307..1459		
Seq. No.	20104	Seq. ID	OJ990426_21.9C03.C2
Gene No.	42000	Strand	-
Start	5122	End	5181
Name	OJ990426_21.9C03.C2.o2.gp	Method	AAT/GAP
Start	5047	End	5156
GI	uC-osflcyp088b12b1	Score	146
Exons	5047..5156		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20104	Seq. ID	OJ990426_21.9C03.C2
Gene No.	42000	Strand	-
Start	5122	End	5181
Name	OJ990426_21.9C03.C2.o2.gs	Method	GENSCAN
Start	5122	End	5181
GI	none	Score	.92
Exons	5122..5181		

Seq. No.	20105	Seq. ID	OJ990426_21.9C03.C3
Gene No.	42001	Strand	+
Start	1	End	66
Name	OJ990426_21.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	66
GI	4680183	Score	117
Exons	1..66		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	20105	Seq. ID	OJ990426_21.9C03.C3
Gene No.	42002	Strand	-
Start	360	End	2185
Name	OJ990426_21.9C03.C3.o2.np	Method	AAT/NAP
Start	360	End	2185
GI	6523547	Score	375
Exons	360..403, 954..2185		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	20106	Seq. ID	OJ990426_21.9C03.C4
Gene No.	42003	Strand	+
Start	1	End	405
Name	OJ990426_21.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	405
GI	5042447	Score	216
Exons	1..405		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20106	Seq. ID	OJ990426_21.9C03.C4
Gene No.	42003	Strand	+
Start	1	End	405
Name	OJ990426_21.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	2	End	235
GI	none	Score	172
Exons	2..235		

Seq. No.	20106	Seq. ID	OJ990426_21.9C03.C4
Gene No.	42003	Strand	+
Start	1	End	405
Name	OJ990426_21.9C03.C4.o1.gs	Method	GENSCAN
Start	65	End	362
GI	none	Score	.43
Exons	65..362		

Seq. No.	20107	Seq. ID	OJ990426_21.9C03.C5
Gene No.	42004	Strand	+
Start	343	End	1048
Name	OJ990426_21.9C03.C5.o1.gs	Method	GENSCAN

Start	343	End	1048
GI	none	Score	.75
Exons	343..498, 626..717, 760..858, 940..1048		

Seq. No.	20107	Seq. ID	OJ990426_21.9C03.C5
Gene No.	42005	Strand	-
Start	1844	End	3197
Name	OJ990426_21.9C03.C5.o1.np	Method	AAT/NAP
Start	1844	End	3197
GI	4680183	Score	193
Exons	1844..1935, 2543..2611, 3175..3197		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	526
GI	5042448	Score	687
Exons	1..526		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o1.gs	Method	GENSCAN
Start	59	End	5356
GI	none	Score	.65
Exons	59..235, 360..395, 783..2786, 2826..4135, 4372..5356		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o2.np	Method	AAT/NAP
Start	783	End	5353
GI	4680179	Score	7738
Exons	783..5353		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o7.tw	Method	TBLASTX:Wheat
Start	1050	End	1409
GI	none	Score	311
Exons	1050..1409, 1080..1409		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o6.tm	Method	TBLASTX:Maize
Start	1290	End	1622
GI	none	Score	202
Exons	1290..1622, 1290..1574, 1307..1477		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6

Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o8.tw	Method	TBLASTX:Wheat
Start	1929	End	2345
GI	none	Score	154
Exons	1929..2123, 1964..2077, 2014..2124, 2184..2345, 2189..2344		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o4.tw	Method	TBLASTX:Wheat
Start	2504	End	2990
GI	none	Score	541
Exons	2504..2947, 2508..2990, 2619..2981		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o5.tm	Method	TBLASTX:Maize
Start	2519	End	2807
GI	none	Score	322
Exons	2519..2557, 2520..2807, 2618..2806		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	2877	End	3377
GI	none	Score	161
Exons	2877..3056, 3042..3377, 3128..3259, 3284..3334		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	2931	End	3326
GI	none	Score	57
Exons	2931..2963, 2931..2975, 2967..3326, 2967..3041, 3062..3325		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o5.tw	Method	TBLASTX:Wheat
Start	3039	End	3341
GI	none	Score	399
Exons	3039..3341, 3059..3340		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	3342	End	3857
GI	none	Score	631
Exons	3342..3857, 3374..3685, 3420..3767		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+

Start	1	End	5356
Name	OJ990426_21.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	3348	End	3593
GI	none	Score	203
Exons	3348..3593		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	3414	End	3779
GI	none	Score	489
Exons	3414..3767, 3416..3682, 3437..3772, 3468..3779		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	3858	End	4334
GI	none	Score	574
Exons	3858..4334, 3888..4301, 3926..4333		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o4.tm	Method	TBLASTX:Maize
Start	3978	End	4388
GI	none	Score	351
Exons	3978..4388, 4019..4378		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	4122	End	4382
GI	none	Score	284
Exons	4122..4382, 4127..4381		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	4341	End	4975
GI	none	Score	53
Exons	4341..4388, 4394..4741, 4396..4725, 4748..4975, 4801..4974		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o8.tm	Method	TBLASTX:Maize
Start	4396	End	4519
GI	none	Score	82
Exons	4396..4515, 4396..4518, 4397..4519		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356

Name	OJ990426_21.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	4520	End	5128
GI	none	Score	223
Exons	4520..4681, 4528..4674, 4679..4741, 4681..4725, 4768..4989, 4801..5115, 4847..5128		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o6.tw	Method	TBLASTX:Wheat
Start	4975	End	5308
GI	none	Score	375
Exons	4975..5184, 4976..5308, 5147..5287		

Seq. No.	20108	Seq. ID	OJ990426_21.9C03.C6
Gene No.	42006	Strand	+
Start	1	End	5356
Name	OJ990426_21.9C03.C6.o7.tm	Method	TBLASTX:Maize
Start	5132	End	5329
GI	none	Score	198
Exons	5132..5329		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o1.np	Method	AAT/NAP
Start	294	End	4832
GI	4680179	Score	6447
Exons	294..4832		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o7.tm	Method	TBLASTX:Maize
Start	318	End	530
GI	none	Score	199
Exons	318..530		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o6.tw	Method	TBLASTX:Wheat
Start	339	End	672
GI	none	Score	79
Exons	339..671, 535..672		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	531	End	1118
GI	none	Score	108
Exons	531..800, 532..792, 861..959, 862..957, 891..959, 957..1118, 964..1110, 966..1112		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8

Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	672	End	1298
GI	none	Score	342
Exons	672..1298, 673..1242		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o3.tm	Method	TBLASTX:Maize
Start	1167	End	1459
GI	none	Score	152
Exons	1167..1457, 1171..1356, 1176..1388, 1268..1459		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	1257	End	1517
GI	none	Score	54
Exons	1257..1325, 1257..1517, 1411..1512		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	1281	End	1607
GI	none	Score	64
Exons	1281..1424, 1282..1359, 1425..1607		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o3.tw	Method	TBLASTX:Wheat
Start	1305	End	1784
GI	none	Score	222
Exons	1305..1784, 1306..1689, 1311..1766		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o2.tw	Method	TBLASTX:Wheat
Start	1788	End	2297
GI	none	Score	304
Exons	1788..2297, 1879..2289		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o2.tm	Method	TBLASTX:Maize
Start	1872	End	2225
GI	none	Score	165
Exons	1872..2225, 1887..2183, 1957..2223		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-

Start	294	End	4832
Name	OJ990426_21.9C03.C8.o3.ts	Method	TBLASTX:Soybean
Start	2046	End	2288
GI	none	Score	195
Exons	2046..2288		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o4.tm	Method	TBLASTX:Maize
Start	2262	End	2762
GI	none	Score	65
Exons	2262..2597, 2314..2415, 2470..2511, 2583..2762		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o5.tw	Method	TBLASTX:Wheat
Start	2298	End	2600
GI	none	Score	206
Exons	2298..2600, 2299..2580		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	2304	End	2708
GI	none	Score	102
Exons	2304..2567, 2312..2563, 2313..2672, 2314..2577, 2531..2665, 2595..2669, 2647..2676, 2676..2708, 2676..2708		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o4.tw	Method	TBLASTX:Wheat
Start	2649	End	3135
GI	none	Score	216
Exons	2649..3131, 2691..3131, 2692..3135		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o5.tm	Method	TBLASTX:Maize
Start	2830	End	3122
GI	none	Score	148
Exons	2830..3021, 2832..3122, 3049..3120		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o7.tw	Method	TBLASTX:Wheat
Start	3306	End	3660
GI	none	Score	79
Exons	3306..3659, 3342..3476, 3565..3660		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-

Start	294	End	4832
Name	OJ990426_21.9C03.C8.o6.tm	Method	TBLASTX:Maize
Start	3393	End	3713
GI	none	Score	209
Exons	3393..3713		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o8.tm	Method	TBLASTX:Maize
Start	4023	End	4319
GI	none	Score	108
Exons	4023..4319, 4132..4302		

Seq. No.	20109	Seq. ID	OJ990426_21.9C03.C8
Gene No.	42007	Strand	-
Start	294	End	4832
Name	OJ990426_21.9C03.C8.o8.tw	Method	TBLASTX:Wheat
Start	4200	End	4563
GI	none	Score	53
Exons	4200..4346, 4200..4559, 4210..4434, 4459..4563		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42008	Strand	+
Start	1010	End	2857
Name	OJ990426_21.9C03.C9.o1.gs	Method	GENSCAN
Start	1010	End	2857
GI	none	Score	.85
Exons	1010..1147, 1622..1745, 2439..2857		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42009	Strand	+
Start	8008	End	12632
Name	OJ990426_21.9C03.C9.o3.gs	Method	GENSCAN
Start	8008	End	12632
GI	none	Score	.6
Exons	8008..8404, 8874..9124, 10740..10782, 10821..11047, 12155..12268, 12351..12632		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	11490
GI	3777527	Score	1344
Exons	1..794, 3901..4190, 4341..5282, 11453..11490		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	231	End	678
GI	none	Score	281
Exons	231..677, 238..678		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9

Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	342	End	4059
GI	5509260	Score	321
Exons	342..797, 343..804, 3898..3990, 4009..4059		
GI Descrip.	-		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	348	End	800
GI	none	Score	67
Exons	348..479, 354..701, 358..525, 556..693, 702..728, 735..797, 753..800		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	468	End	720
GI	none	Score	86
Exons	468..719, 493..720		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	4366	End	4999
GI	none	Score	125
Exons	4366..4494, 4511..4933, 4514..4846, 4617..4871, 4932..4994, 4934..4999		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	4366	End	4825
GI	none	Score	114
Exons	4366..4494, 4514..4825, 4620..4805, 4628..4807		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	4667	End	5224
GI	none	Score	118
Exons	4667..4954, 4668..4841, 4994..5224		

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o2.np	Method	AAT/NAP
Start	4750	End	7716
GI	5042463	Score	123
Exons	4750..4775, 5342..5425, 5477..5607, 6271..6479, 7668..7716		

GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o1.gp	Method	AAT/GAP
Start	9137	End	9391
GI	61605_3.R1084	Score	427
Exons	9137..9391		

GI Descrip. '1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'

Seq. No.	20110	Seq. ID	OJ990426_21.9C03.C9
Gene No.	42010	Strand	-
Start	1	End	13099
Name	OJ990426_21.9C03.C9.o3.np	Method	AAT/NAP
Start	9729	End	13099
GI	6063554	Score	505
Exons	9729..9903, 10550..10577, 10888..11085, 11203..11507, 13076..13099		

GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42011	Strand	+
Start	1127	End	2625
Name	OJ990426_21.9C03.C10.o1.gs	Method	GENSCAN
Start	1127	End	2625
GI	none	Score	.82
Exons	1127..1761, 1814..1904, 2297..2625		

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42012	Strand	-
Start	692	End	1601
Name	OJ990426_21.9C03.C10.o1.np	Method	AAT/NAP
Start	692	End	1601
GI	5852178	Score	387
Exons	692..787, 1152..1266, 1298..1601		

GI Descrip. (AL117265) zhb0008.1 [Oryza sativa]

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o3.ts	Method	TBLASTX:Soybean
Start	3031	End	3276
GI	none	Score	45
Exons	3031..3276, 3035..3064, 3104..3265		

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o2.np	Method	AAT/NAP
Start	3037	End	6028
GI	5902445	Score	1235
Exons	3037..6028		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	3052	End	3454
GI	none	Score	76
Exons	3052..3279, 3086..3259, 3272..3454		

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o2.gs	Method	GENSCAN
Start	3627	End	9416
GI	none	Score	.52
Exons	3627..3994, 4052..4304, 4362..4449, 4519..4748, 5250..5682, 5829..5959, 6115..6295, 6411..6460, 6580..7116, 7531..7809, 7858..8034, 8307..8521, 8684..8955, 8992..9043, 9198..9416		

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o4.ts	Method	TBLASTX:Soybean
Start	3672	End	3980
GI	none	Score	70
Exons	3672..3980, 3762..3875		

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o3.tm	Method	TBLASTX:Maize
Start	3831	End	4214
GI	none	Score	204
Exons	3831..4214		

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o3.tw	Method	TBLASTX:Wheat
Start	4401	End	4799
GI	none	Score	79
Exons	4401..4670, 4710..4799		

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	4432	End	4845
GI	none	Score	109
Exons	4432..4686, 4434..4685, 4633..4692, 4707..4844, 4711..4845		

Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	4930	End	5462
GI	none	Score	76

Exons	4930..5001, 4993..5139, 5000..5149, 5181..5462, 5224..5424		
Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	5151	End	5609
GI	none	Score	50
Exons	5151..5249, 5151..5609, 5152..5460, 5328..5603, 5521..5607		
Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	5478	End	5881
GI	none	Score	75
Exons	5478..5618, 5481..5606, 5521..5616, 5623..5820, 5624..5821, 5624..5830, 5682..5822, 5834..5881, 5835..5876		
Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o2.tm	Method	TBLASTX:Maize
Start	5624	End	5824
GI	none	Score	102
Exons	5624..5824, 5651..5818, 5682..5822		
Seq. No.	20111	Seq. ID	OJ990426_21.9C03.C10
Gene No.	42013	Strand	-
Start	3037	End	9416
Name	OJ990426_21.9C03.C10.o5.ts	Method	TBLASTX:Soybean
Start	5678	End	6043
GI	none	Score	113
Exons	5678..5812, 5819..6043		
Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42014	Strand	+
Start	50	End	14985
Name	OJ990426_21.9C03.C11.o1.gs	Method	GENSCAN
Start	50	End	14985
GI	none	Score	.57
Exons	50..110, 200..357, 1279..1329, 2838..2999, 3776..3884, 4236..4404, 4431..4926, 7142..7201, 10284..10484, 11698..11863, 13166..13242, 14138..14191, 14575..14985		
Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42014	Strand	+
Start	50	End	14985
Name	OJ990426_21.9C03.C11.o1.gp	Method	AAT/GAP
Start	4663	End	4991
GI	427043	Score	654
Exons	4663..4991		
Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42014	Strand	+
Start	50	End	14985
Name	OJ990426_21.9C03.C11.o1.np	Method	AAT/NAP

Start	5463	End	9687
GI	6691191	Score	409
Exons	5463..5521, 9103..9687		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42014	Strand	+
Start	50	End	14985
Name	OJ990426_21.9C03.C11.o2.np	Method	AAT/NAP
Start	9894	End	11838
GI	4680186	Score	312
Exons	9894..9976, 11639..11838		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42014	Strand	+
Start	50	End	14985
Name	OJ990426_21.9C03.C11.o4.gp	Method	AAT/GAP
Start	12663	End	12960
GI	61605_3.R1084	Score	443
Exons	12663..12960		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42014	Strand	+
Start	50	End	14985
Name	OJ990426_21.9C03.C11.o5.gp	Method	AAT/GAP
Start	13952	End	14680
GI	101153_1.R1084	Score	428
Exons	13952..14191, 14656..14680		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42015	Strand	-
Start	11389	End	11771
Name	OJ990426_21.9C03.C11.o2.gp	Method	AAT/GAP
Start	11389	End	11771
GI	uC-osflcyp033a04b1	Score	692
Exons	11389..11771		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42016	Strand	-
Start	13328	End	14863
Name	OJ990426_21.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	9261	End	9689
GI	none	Score	83
Exons	9261..9395, 9396..9530, 9403..9531, 9433..9558, 9555..9689		

Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42016	Strand	-
Start	13328	End	14863
Name	OJ990426_21.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	9261	End	9668

GI	none	Score	73
Exons	9261..9329, 9263..9391, 9363..9395, 9399..9542, 9400..9534, 9430..9564, 9516..9668		

Seq. No.	20112	Seq. ID	OJ990426_21.9C03.C11
Gene No.	42016	Strand	-
Start	13328	End	14863
Name	OJ990426_21.9C03.C11.o3.np	Method	AAT/NAP
Start	13328	End	14863
GI	6063554	Score	284
Exons	13328..13503, 14147..14174, 14644..14863		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20113	Seq. ID	OJ990426_21.9C03.C12
Gene No.	42017	Strand	+
Start	1	End	203
Name	OJ990426_21.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	203
GI	4680186	Score	234
Exons	1..203		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20113	Seq. ID	OJ990426_21.9C03.C12
Gene No.	42018	Strand	+
Start	926	End	1439
Name	OJ990426_21.9C03.C12.o1.gs	Method	GENSCAN
Start	926	End	1439
GI	none	Score	.87
Exons	926..1008, 1023..1165, 1180..1439		

Seq. No.	20113	Seq. ID	OJ990426_21.9C03.C12
Gene No.	42019	Strand	-
Start	1	End	132
Name	OJ990426_21.9C03.C12.o1.gp	Method	AAT/GAP
Start	1	End	132
GI	uC-osflcyp033a04b1	Score	248
Exons	1..132		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20113	Seq. ID	OJ990426_21.9C03.C12
Gene No.	42020	Strand	-
Start	594	End	1483
Name	OJ990426_21.9C03.C12.o2.np	Method	AAT/NAP
Start	594	End	1483
GI	6907087	Score	343
Exons	594..695, 1248..1483		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20114	Seq. ID	OJ990426_21.9C03.C13
Gene No.	42021	Strand	+
Start	1236	End	2785
Name	OJ990426_21.9C03.C13.o2.np	Method	AAT/NAP

Start	1236	End	2785
GI	5042463	Score	111
Exons	1236..1344, 2031..2201, 2247..2363, 2707..2785		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	20114	Seq. ID	OJ990426_21.9C03.C13
Gene No.	42021	Strand	+
Start	1236	End	2785
Name	OJ990426_21.9C03.C13.o1.gs	Method	GENSCAN
Start	2392	End	2539
GI	none	Score	.86
Exons	2392..2539		

Seq. No.	20114	Seq. ID	OJ990426_21.9C03.C13
Gene No.	42022	Strand	-
Start	1	End	457
Name	OJ990426_21.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	457
GI	6907087	Score	390
Exons	1..457		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20115	Seq. ID	OJ990426_21.9C03.C14
Gene No.	42023	Strand	+
Start	253	End	591
Name	OJ990426_21.9C03.C14.o1.gs	Method	GENSCAN
Start	253	End	591
GI	none	Score	.42
Exons	253..591		

Seq. No.	20116	Seq. ID	OJ990426_21.9C03.C15
Gene No.	42024	Strand	-
Start	78	End	312
Name	OJ990426_21.9C03.C15.o1.gs	Method	GENSCAN
Start	78	End	312
GI	none	Score	.62
Exons	78..312		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42025	Strand	+
Start	5069	End	5634
Name	OJ990426_21.9C03.C16.o2.gs	Method	GENSCAN
Start	5069	End	5634
GI	none	Score	.96
Exons	5069..5443, 5509..5634		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42026	Strand	+
Start	6507	End	6888
Name	OJ990426_21.9C03.C16.o1.gp	Method	AAT/GAP
Start	6507	End	6888
GI	uC-osf1cyp033a04b1	Score	655
Exons	6507..6888		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o1.gs	Method	GENSCAN
Start	1217	End	3923
GI	none	Score	.58
Exons	1217..1389, 2156..2297, 3295..3329, 3533..3923		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o1.np	Method	AAT/NAP
Start	2470	End	9263
GI	5295971	Score	838
Exons	2470..2502, 3492..4018, 8782..9263		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	3489	End	8920
GI	none	Score	84
Exons	3489..3710, 3526..3744, 3759..3857, 3861..3938, 8780..8920		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	3495	End	8899
GI	none	Score	64
Exons	3495..3950, 3535..3672, 8780..8899		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o2.tm	Method	TBLASTX:Maize
Start	3495	End	3882
GI	none	Score	199
Exons	3495..3881, 3496..3882		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o1.tw	Method	TBLASTX:Wheat
Start	3522	End	3947
GI	none	Score	56
Exons	3522..3701, 3534..3725, 3738..3947, 3766..3891		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o3.gs	Method	GENSCAN
Start	6437	End	7738

GI	none	Score	.64
Exons	6437..6640, 7637..7738		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o2.tw	Method	TBLASTX:Wheat
Start	8780	End	9091
GI	none	Score	103
Exons	8780..8920, 8930..9091		

Seq. No.	20117	Seq. ID	OJ990426_21.9C03.C16
Gene No.	42027	Strand	-
Start	1217	End	9263
Name	OJ990426_21.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	8786	End	9209
GI	none	Score	120
Exons	8786..8944, 8793..8945, 8936..9205, 8943..9068, 8960..9205, 9165..9209		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o1.np	Method	AAT/NAP
Start	1	End	4189
GI	5295971	Score	1536
Exons	1..2684, 4170..4189		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o1.ts	Method	TBLASTX:Soybean
Start	467	End	880
GI	none	Score	64
Exons	467..874, 470..880		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o1.tc	Method	TBLASTX:Cress
Start	470	End	889
GI	none	Score	219
Exons	470..889		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	482	End	905
GI	none	Score	49
Exons	482..553, 483..542, 566..904, 591..905		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-

Start	1	End	4189
Name	OJ990426_21.9C03.C17.o1.tw	Method	TBLASTX:Wheat
Start	554	End	1104
GI	none	Score	105
Exons	554..643, 650..934, 940..1104		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o3.ts	Method	TBLASTX:Soybean
Start	940	End	1239
GI	none	Score	72
Exons	940..1239, 998..1168, 1063..1143		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o2.tw	Method	TBLASTX:Wheat
Start	1177	End	1629
GI	none	Score	133
Exons	1177..1263, 1264..1629, 1352..1615		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o3.tm	Method	TBLASTX:Maize
Start	1243	End	1651
GI	none	Score	146
Exons	1243..1650, 1376..1651		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o6.tm	Method	TBLASTX:Maize
Start	2146	End	2470
GI	none	Score	97
Exons	2146..2469, 2167..2469, 2171..2470		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42028	Strand	-
Start	1	End	4189
Name	OJ990426_21.9C03.C17.o5.tw	Method	TBLASTX:Wheat
Start	2194	End	2544
GI	none	Score	70
Exons	2194..2544, 2197..2499		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42029	Strand	
Start	4384	End	4677
Name	OJ990426_21.9C03.C17.o5.tm	Method	TBLASTX:Maize
Start	4384	End	4677
GI	none	Score	99
Exons	4384..4485, 4481..4642, 4489..4677		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42030	Strand	
Start	4756	End	5821

Name	OJ990426_21.9C03.C17.o4.tw	Method	TBLASTX:Wheat
Start	4756	End	5124
GI	none	Score	56
Exons	4756..4875, 4756..4881, 4933..5124		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42030	Strand	
Start	4756	End	5821
Name	OJ990426_21.9C03.C17.o4.tm	Method	TBLASTX:Maize
Start	4948	End	5319
GI	none	Score	70
Exons	4948..5193, 5190..5318, 5194..5319		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42030	Strand	
Start	4756	End	5821
Name	OJ990426_21.9C03.C17.o3.tw	Method	TBLASTX:Wheat
Start	5217	End	5767
GI	none	Score	132
Exons	5217..5333, 5406..5576, 5570..5767		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42030	Strand	
Start	4756	End	5821
Name	OJ990426_21.9C03.C17.o2.ts	Method	TBLASTX:Soybean
Start	5391	End	5791
GI	none	Score	92
Exons	5391..5555, 5573..5791, 5592..5786		

Seq. No.	20118	Seq. ID	OJ990426_21.9C03.C17
Gene No.	42030	Strand	
Start	4756	End	5821
Name	OJ990426_21.9C03.C17.o2.tm	Method	TBLASTX:Maize
Start	5520	End	5821
GI	none	Score	179
Exons	5520..5570, 5570..5821, 5577..5810, 5582..5812		

Seq. No.	20119	Seq. ID	OJ990426_21.9C03.C18
Gene No.	42031	Strand	+
Start	5	End	863
Name	OJ990426_21.9C03.C18.o1.gs	Method	GENSCAN
Start	5	End	863
GI	none	Score	.68
Exons	5..198, 788..863		

Seq. No.	20119	Seq. ID	OJ990426_21.9C03.C18
Gene No.	42032	Strand	-
Start	2256	End	2453
Name	OJ990426_21.9C03.C18.o2.gs	Method	GENSCAN
Start	2256	End	2453
GI	none	Score	.91
Exons	2256..2453		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o1.np	Method	AAT/NAP

Start	1	End	2649
GI	4680179	Score	2494
Exons	1..1955, 2596..2649		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o1.tm	Method	TBLASTX:Maize
Start	172	End	663
GI	none	Score	67
Exons	172..342, 172..504, 203..505, 502..663, 509..655		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o1.tw	Method	TBLASTX:Wheat
Start	217	End	843
GI	none	Score	65
Exons	217..843, 220..471, 329..787		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o3.tm	Method	TBLASTX:Maize
Start	712	End	1004
GI	none	Score	222
Exons	712..1002, 716..1003, 816..1004		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o1.ts	Method	TBLASTX:Soybean
Start	801	End	1062
GI	none	Score	145
Exons	801..983, 802..1062, 803..1057		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o1.tc	Method	TBLASTX:Cress
Start	826	End	1143
GI	none	Score	85
Exons	826..969, 827..967, 970..1143		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o2.tw	Method	TBLASTX:Wheat
Start	850	End	1417
GI	none	Score	346
Exons	850..1386, 851..1417		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o2.tm	Method	TBLASTX:Maize

Start	1408	End	1771
GI	none	Score	164
Exons	1408..1770, 1417..1770, 1421..1771		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o3.tw	Method	TBLASTX:Wheat
Start	1420	End	1842
GI	none	Score	358
Exons	1420..1842, 1421..1810		

Seq. No.	20120	Seq. ID	OJ990426_21.9C03.C19
Gene No.	42033	Strand	-
Start	1	End	2649
Name	OJ990426_21.9C03.C19.o2.ts	Method	TBLASTX:Soybean
Start	1591	End	1836
GI	none	Score	97
Exons	1591..1836, 1592..1834		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42034	Strand	+
Start	6550	End	7020
Name	OJ990426_21.9C03.C20.o3.gs	Method	GENSCAN
Start	6550	End	7020
GI	none	Score	.84
Exons	6550..7020		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42035	Strand	-
Start	1	End	3307
Name	OJ990426_21.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	3307
GI	4680179	Score	3507
Exons	1..60, 86..2191, 2225..3307		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42035	Strand	-
Start	1	End	3307
Name	OJ990426_21.9C03.C20.o1.gs	Method	GENSCAN
Start	66	End	3301
GI	none	Score	.67
Exons	66..679, 710..3301		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42036	Strand	-
Start	3556	End	5635
Name	OJ990426_21.9C03.C20.o2.gs	Method	GENSCAN
Start	3556	End	5456
GI	none	Score	.86
Exons	3556..4365, 5385..5456		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42036	Strand	-
Start	3556	End	5635
Name	OJ990426_21.9C03.C20.o1.gp	Method	AAT/GAP

Start	5253	End	5635
GI	uC-osf1cyp033a04b1	Score	704
Exons	5253..5635		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o8.tw	Method	TBLASTX:Wheat
Start	1	End	8770
GI	none	Score	98
Exons	1..60, 86..289, 101..265, 114..281, 8720..8770		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o2.tw	Method	TBLASTX:Wheat
Start	290	End	793
GI	none	Score	373
Exons	290..793, 372..761		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o2.tm	Method	TBLASTX:Maize
Start	359	End	722
GI	none	Score	173
Exons	359..721, 368..721, 372..722		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o2.ts	Method	TBLASTX:Soybean
Start	542	End	787
GI	none	Score	96
Exons	542..787, 543..770		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o3.tm	Method	TBLASTX:Maize
Start	758	End	1258
GI	none	Score	50
Exons	758..1072, 801..851, 879..1007, 1079..1258, 1104..1250		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o4.tw	Method	TBLASTX:Wheat
Start	794	End	1096
GI	none	Score	306
Exons	794..1096, 810..1094		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770

Name	OJ990426_21.9C03.C20.o1.ts	Method	TBLASTX:Soybean
Start	809	End	1204
GI	none	Score	229
Exons	809..1168, 810..1100, 1128..1166, 1172..1204, 1173..1202		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o3.tw	Method	TBLASTX:Wheat
Start	1145	End	1627
GI	none	Score	207
Exons	1145..1522, 1188..1523, 1577..1627		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o5.tm	Method	TBLASTX:Maize
Start	1326	End	1615
GI	none	Score	143
Exons	1326..1517, 1328..1519, 1328..1615		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o7.tw	Method	TBLASTX:Wheat
Start	1727	End	2164
GI	none	Score	69
Exons	1727..1768, 1796..1909, 1797..1910, 1955..2164, 1956..2108		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o7.tm	Method	TBLASTX:Maize
Start	1847	End	2200
GI	none	Score	188
Exons	1847..2200		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o6.tw	Method	TBLASTX:Wheat
Start	2483	End	2834
GI	none	Score	112
Exons	2483..2833, 2640..2834		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o6.tm	Method	TBLASTX:Maize
Start	2528	End	2833
GI	none	Score	90
Exons	2528..2833, 2703..2819		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o9.tw	Method	TBLASTX:Wheat

Start	2868	End	3094
GI	none	Score	122
Exons	2868..3065, 2870..3067, 3074..3094		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o4.gs	Method	GENSCAN
Start	7706	End	8721
GI	none	Score	.66
Exons	7706..8721		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o2.np	Method	AAT/NAP
Start	7709	End	8770
GI	4680179	Score	1522
Exons	7709..8770		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o5.tw	Method	TBLASTX:Wheat
Start	7754	End	8087
GI	none	Score	114
Exons	7754..8086, 7775..8083, 7818..8087		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	7934	End	8533
GI	none	Score	239
Exons	7934..8374, 7950..8372, 8372..8533, 8378..8530		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o1.tw	Method	TBLASTX:Wheat
Start	8087	End	8713
GI	none	Score	286
Exons	8087..8713, 8088..8657		

Seq. No.	20121	Seq. ID	OJ990426_21.9C03.C20
Gene No.	42037	Strand	-
Start	7706	End	8770
Name	OJ990426_21.9C03.C20.o4.tm	Method	TBLASTX:Maize
Start	8534	End	8755
GI	none	Score	149
Exons	8534..8755, 8535..8744, 8539..8748		

Seq. No.	20122	Seq. ID	OJ990426_21.9C03.C21
Gene No.	42038	Strand	+
Start	1	End	3353
Name	OJ990426_21.9C03.C21.o1.np	Method	AAT/NAP

Start	1	End	631
GI	4680179	Score	847
Exons	1..631		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20122	Seq. ID	OJ990426_21.9C03.C21
Gene No.	42038	Strand	+
Start	1	End	3353
Name	OJ990426_21.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	406
GI	none	Score	397
Exons	1..390, 2..406		

Seq. No.	20122	Seq. ID	OJ990426_21.9C03.C21
Gene No.	42038	Strand	+
Start	1	End	3353
Name	OJ990426_21.9C03.C21.o2.np	Method	AAT/NAP
Start	1	End	3353
GI	5852180	Score	568
Exons	1..22, 1432..1551, 1603..2015, 3268..3353		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	20122	Seq. ID	OJ990426_21.9C03.C21
Gene No.	42038	Strand	+
Start	1	End	3353
Name	OJ990426_21.9C03.C21.o1.gs	Method	GENSCAN
Start	29	End	634
GI	none	Score	1
Exons	29..634		

Seq. No.	20122	Seq. ID	OJ990426_21.9C03.C21
Gene No.	42038	Strand	+
Start	1	End	3353
Name	OJ990426_21.9C03.C21.o1.tw	Method	TBLASTX:Wheat
Start	164	End	586
GI	none	Score	405
Exons	164..586, 199..486		

Seq. No.	20122	Seq. ID	OJ990426_21.9C03.C21
Gene No.	42038	Strand	+
Start	1	End	3353
Name	OJ990426_21.9C03.C21.o3.np	Method	AAT/NAP
Start	1128	End	3257
GI	6063554	Score	107
Exons	1128..1178, 1879..2072, 3085..3257		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20122	Seq. ID	OJ990426_21.9C03.C21
Gene No.	42038	Strand	+
Start	1	End	3353
Name	OJ990426_21.9C03.C21.o2.gs	Method	GENSCAN
Start	1669	End	2301
GI	none	Score	.95
Exons	1669..2301		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42039	Strand	+
Start	795	End	1586
Name	OJ990426_21.9C03.C22.o1.np	Method	AAT/NAP
Start	795	End	1586
GI	4512231	Score	1313
Exons	795..1586		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42040	Strand	+
Start	1812	End	6267
Name	OJ990426_21.9C03.C22.o2.np	Method	AAT/NAP
Start	1812	End	6267
GI	4680179	Score	5617
Exons	1812..6267		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o9.tw	Method	TBLASTX:Wheat
Start	2010	End	2208
GI	none	Score	208
Exons	2010..2207, 2011..2208		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o6.tm	Method	TBLASTX:Maize
Start	2260	End	2565
GI	none	Score	243
Exons	2260..2565		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o7.tw	Method	TBLASTX:Wheat
Start	2260	End	2610
GI	none	Score	307
Exons	2260..2610		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o8.tw	Method	TBLASTX:Wheat
Start	2944	End	3297
GI	none	Score	252
Exons	2944..3297, 2944..3213		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o7.tm	Method	TBLASTX:Maize
Start	3331	End	3492
GI	none	Score	182
Exons	3331..3492, 3348..3446		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o4.tw	Method	TBLASTX:Wheat
Start	3429	End	3912
GI	none	Score	527
Exons	3429..3869, 3430..3912, 3433..3909		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o4.ts	Method	TBLASTX:Soybean
Start	3466	End	3780
GI	none	Score	194
Exons	3466..3780		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o4.tm	Method	TBLASTX:Maize
Start	3495	End	3942
GI	none	Score	366
Exons	3495..3677, 3499..3942		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o1.ts	Method	TBLASTX:Soybean
Start	3853	End	4248
GI	none	Score	57
Exons	3853..3885, 3853..3885, 3889..3942, 3891..3932, 3997..4248, 4005..4220		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o5.tm	Method	TBLASTX:Maize
Start	3997	End	4329
GI	none	Score	303
Exons	3997..4329, 4050..4328		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o5.tw	Method	TBLASTX:Wheat
Start	4000	End	4263
GI	none	Score	359
Exons	4000..4263, 4002..4262		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o3.tw	Method	TBLASTX:Wheat
Start	4264	End	4689
GI	none	Score	581
Exons	4264..4689, 4266..4682, 4381..4689		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o3.ts	Method	TBLASTX:Soybean
Start	4270	End	4518
GI	none	Score	206
Exons	4270..4518		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o2.tm	Method	TBLASTX:Maize
Start	4336	End	4689
GI	none	Score	445
Exons	4336..4689, 4341..4682		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o2.tw	Method	TBLASTX:Wheat
Start	4717	End	5257
GI	none	Score	626
Exons	4717..5256, 4881..5252, 4976..5257		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o1.tc	Method	TBLASTX:Cress
Start	4954	End	5280
GI	none	Score	89
Exons	4954..5136, 5137..5280, 5139..5279		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o2.ts	Method	TBLASTX:Soybean
Start	5044	End	5304
GI	none	Score	300
Exons	5044..5304, 5055..5303		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o3.tm	Method	TBLASTX:Maize
Start	5102	End	5394
GI	none	Score	78
Exons	5102..5203, 5104..5394, 5104..5202, 5118..5390		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	5263	End	5889
GI	none	Score	723
Exons	5263..5889, 5319..5768, 5829..5888		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o1.tm	Method	TBLASTX:Maize
Start	5442	End	6027
GI	none	Score	229
Exons	5442..5597, 5443..5604, 5601..5765, 5602..6027, 5761..6006, 5829..6026		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o3.np	Method	AAT/NAP
Start	5495	End	7519
GI	5852179	Score	234
Exons	5495..5544, 6987..7199, 7274..7519		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	20123	Seq. ID	OJ990426_21.9C03.C22
Gene No.	42041	Strand	-
Start	5495	End	7519
Name	OJ990426_21.9C03.C22.o6.tw	Method	TBLASTX:Wheat
Start	5889	End	6222
GI	none	Score	309
Exons	5889..6170, 5890..6222		

Seq. No.	20124	Seq. ID	OJ990426_21.9C03.C23
Gene No.	42042	Strand	+
Start	1	End	870
Name	OJ990426_21.9C03.C23.o1.np	Method	AAT/NAP
Start	1	End	870
GI	6063554	Score	106
Exons	1..30, 698..870		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20124	Seq. ID	OJ990426_21.9C03.C23
Gene No.	42042	Strand	+
Start	1	End	870
Name	OJ990426_21.9C03.C23.o1.gs	Method	GENSCAN
Start	50	End	147
GI	none	Score	.53
Exons	50..147		

Seq. No.	20125	Seq. ID	OJ990916_20.9C03.C1
Gene No.	42043	Strand	+
Start	84	End	879
Name	OJ990916_20.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	15	End	879
GI	none	Score	220
Exons	15..161, 18..161, 23..163, 800..877, 801..878, 808..879		

Seq. No.	20125	Seq. ID	OJ990916_20.9C03.C1
Gene No.	42043	Strand	+
Start	84	End	879
Name	OJ990916_20.9C03.C1.o1.ts	Method	TBLASTX:Soybean

Start	15	End	848
GI	none	Score	193
Exons	15..161, 17..160, 800..847, 808..846, 813..848		

Seq. No.	20125	Seq. ID	OJ990916_20.9C03.C1
Gene No.	42043	Strand	+
Start	84	End	879
Name	OJ990916_20.9C03.C1.o1.gs	Method	GENSCAN
Start	84	End	164
GI	none	Score	.43
Exons	84..164		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42044	Strand	+
Start	1	End	2480
Name	OJ990916_20.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	733
GI	4680179	Score	1079
Exons	1..733		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42044	Strand	+
Start	1	End	2480
Name	OJ990916_20.9C03.C2.o1.gs	Method	GENSCAN
Start	143	End	2480
GI	none	Score	.52
Exons	143..598, 1511..1666, 1794..1885, 1928..2041, 2119..2288, 2293..2480		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	103	End	508
GI	none	Score	443
Exons	103..495, 104..508		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o3.tw	Method	TBLASTX:Wheat
Start	103	End	262
GI	none	Score	188
Exons	103..258, 104..262		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	266	End	688
GI	none	Score	464
Exons	266..688, 286..564, 506..667		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820

Name	OJ990916_20.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	512	End	709
GI	none	Score	194
Exons	512..709		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o3.np	Method	AAT/NAP
Start	1136	End	5820
GI	4680203	Score	930
Exons	1136..1169, 4116..4991, 5769..5820		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o2.gs	Method	GENSCAN
Start	3137	End	4992
GI	none	Score	.48
Exons	3137..3229, 4180..4992		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o2.np	Method	AAT/NAP
Start	3140	End	5820
GI	4680183	Score	185
Exons	3140..3229, 3836..3909, 5782..5820		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o1.gp	Method	AAT/GAP
Start	3919	End	5440
GI	2310235	Score	305
Exons	3919..3956, 4853..4992, 5403..5440		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	4228	End	4518
GI	none	Score	92
Exons	4228..4293, 4300..4518, 4304..4510		

Seq. No.	20126	Seq. ID	OJ990916_20.9C03.C2
Gene No.	42045	Strand	-
Start	1136	End	5820
Name	OJ990916_20.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	4290	End	4641
GI	none	Score	188
Exons	4290..4541, 4300..4551, 4301..4543, 4534..4641		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42046	Strand	+
Start	1	End	20591
Name	OJ990916_20.9C03.C3.o2.np	Method	AAT/NAP
Start	1	End	20591
GI	5734621	Score	178
Exons	1..25, 12522..12674, 12843..12901, 16516..16541, 16768..16873, 17994..18187, 20455..20591		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42046	Strand	+
Start	1	End	20591
Name	OJ990916_20.9C03.C3.o1.gs	Method	GENSCAN
Start	1185	End	1339
GI	none	Score	.5
Exons	1185..1339		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42046	Strand	+
Start	1	End	20591
Name	OJ990916_20.9C03.C3.o3.gs	Method	GENSCAN
Start	6598	End	7050
GI	none	Score	.99
Exons	6598..7050		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42046	Strand	+
Start	1	End	20591
Name	OJ990916_20.9C03.C3.o4.gs	Method	GENSCAN
Start	8834	End	16881
GI	none	Score	.65
Exons	8834..8957, 10599..10710, 11203..11242, 11549..11705, 11779..11925, 12508..12674, 12730..12926, 15241..15344, 15696..15828, 16380..16881		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42046	Strand	+
Start	1	End	20591
Name	OJ990916_20.9C03.C3.o5.gs	Method	GENSCAN
Start	17766	End	18272
GI	none	Score	.76
Exons	17766..18272		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42047	Strand	-
Start	1	End	1178
Name	OJ990916_20.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	1178
GI	5734621	Score	37
Exons	1..71, 985..1178		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42048	Strand	-
Start	2043	End	6460
Name	OJ990916_20.9C03.C3.o2.gs	Method	GENSCAN
Start	2043	End	6460
GI	none	Score	.93
Exons	2043..2225, 4833..4961, 5075..5224, 6089..6460		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42049	Strand	-
Start	18801	End	20591
Name	OJ990916_20.9C03.C3.o6.gs	Method	GENSCAN
Start	18801	End	20338
GI	none	Score	.4
Exons	18801..18995, 19227..19299, 19730..19794, 19873..19937, 19942..20338		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42049	Strand	-
Start	18801	End	20591
Name	OJ990916_20.9C03.C3.o3.np	Method	AAT/NAP
Start	19064	End	20591
GI	3242789	Score	100
Exons	19064..19104, 20370..20591		
GI Descrip.	(AF055357) respiratory burst oxidase protein D [Arabidopsis thaliana]		

Seq. No.	20127	Seq. ID	OJ990916_20.9C03.C3
Gene No.	42049	Strand	-
Start	18801	End	20591
Name	OJ990916_20.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	20198	End	20532
GI	none	Score	61
Exons	20198..20320, 20238..20294, 20254..20295, 20301..20318, 20379..20528, 20382..20525, 20383..20532, 20384..20530		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42050	Strand	+
Start	54	End	4151
Name	OJ990916_20.9C03.C4.o1.gs	Method	GENSCAN
Start	54	End	4151
GI	none	Score	.53
Exons	54..183, 682..935, 1968..2076, 2401..2549, 2661..2748, 2823..3001, 3777..3950, 4050..4151		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42050	Strand	+
Start	54	End	4151
Name	OJ990916_20.9C03.C4.o1.gp	Method	AAT/GAP
Start	1966	End	2704
GI	3934_3.R1084	Score	578
Exons	1966..2085, 2401..2549, 2661..2704		
GI Descrip.	'4580466/gb|AAD24390.1|AC006081_12 5.0e-32 (AC006081) putative 50S ribosomal protein L4 [Arabidopsis thaliana]'		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42050	Strand	+

Start	54	End	4151
Name	OJ990916_20.9C03.C4.o2.gp	Method	AAT/GAP
Start	2473	End	2949
GI	uC-osrocyp011g02a1	Score	394
Exons	2473..2549, 2661..2768, 2882..2949		
GI Descrip.	'4580466/gb|AAD24390.1|AC006081_12 2.0e-39 (AC006081) putative 50S ribosomal protein L4 [Arabidopsis thaliana]'		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42051	Strand	+
Start	4952	End	5551
Name	OJ990916_20.9C03.C4.o2.gs	Method	GENSCAN
Start	4952	End	5551
GI	none	Score	.8
Exons	4952..5015, 5430..5551		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42052	Strand	+
Start	10236	End	14121
Name	OJ990916_20.9C03.C4.o4.gs	Method	GENSCAN
Start	10236	End	13783
GI	none	Score	.52
Exons	10236..10300, 11384..11433, 11517..11707, 11720..11848, 12123..13783		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42052	Strand	+
Start	10236	End	14121
Name	OJ990916_20.9C03.C4.o1.np	Method	AAT/NAP
Start	11721	End	14121
GI	3892057	Score	1837
Exons	11721..11846, 12069..13783, 14066..14121		
GI Descrip.	(AC002330) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42052	Strand	+
Start	10236	End	14121
Name	OJ990916_20.9C03.C4.o4.gp	Method	AAT/GAP
Start	13699	End	14121
GI	LIB3433-018-Q6-K6-B11	Score	227
Exons	13699..13783, 14066..14121		
GI Descrip.	'3892057/gb|AAC78270.1|AAC78270 8.0e-50 (AC002330) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42053	Strand	-
Start	4037	End	4459
Name	OJ990916_20.9C03.C4.o3.gp	Method	AAT/GAP
Start	4037	End	4459
GI	none	Score	786
Exons	4037..4459		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42054	Strand	-
Start	6192	End	7646
Name	OJ990916_20.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	1962	End	4187

GI	none	Score	172
Exons	1962..2087, 1965..2084, 1966..2091, 1967..2086, 2396..2548, 2400..2549, 2400..2549, 2401..2550, 2402..2557, 2434..2556, 2657..2692, 2658..2768, 2658..2768, 2879..3004, 2881..3003, 3752..3949, 3753..3950, 3777..3950, 3793..3951, 4049..4153, 4050..4151, 4052..4153, 4062..4169, 4161..4187		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42054	Strand	-
Start	6192	End	7646
Name	OJ990916_20.9C03.C4.o5.tc	Method	TBLASTX:Cress
Start	2034	End	2684
GI	none	Score	60
Exons	2034..2087, 2387..2548, 2400..2549, 2652..2684		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42054	Strand	-
Start	6192	End	7646
Name	OJ990916_20.9C03.C4.o6.ts	Method	TBLASTX:Soybean
Start	2387	End	2549
GI	none	Score	202
Exons	2387..2548, 2400..2549		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42054	Strand	-
Start	6192	End	7646
Name	OJ990916_20.9C03.C4.o4.ts	Method	TBLASTX:Soybean
Start	2664	End	3995
GI	none	Score	136
Exons	2664..2744, 2667..2741, 2744..2773, 2745..2768, 2879..3004, 2881..3003, 3752..3829, 3774..3884, 3777..3881, 3861..3971, 3861..3995		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42054	Strand	-
Start	6192	End	7646
Name	OJ990916_20.9C03.C4.o2.tc	Method	TBLASTX:Cress
Start	2703	End	4150
GI	none	Score	52
Exons	2703..2732, 2738..2764, 2739..2768, 2878..3003, 2879..3004, 3755..3949, 3777..3950, 4049..4147, 4050..4148, 4055..4150		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42054	Strand	-
Start	6192	End	7646
Name	OJ990916_20.9C03.C4.o3.gs	Method	GENSCAN
Start	6192	End	7646
GI	none	Score	.45
Exons	6192..6203, 6611..6738, 7535..7646		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	12071	End	12461
GI	none	Score	362
Exons	12071..12346, 12075..12344, 12333..12461		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	12189	End	14120
GI	none	Score	79
Exons	12189..12332, 13344..13769, 13349..13783, 13583..13786, 13717..13809, 14057..14119, 14070..14120		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	12189	End	14120
GI	none	Score	76
Exons	12189..12332, 13304..13783, 13308..13769, 13319..13786, 14057..14119, 14070..14120		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	12366	End	12710
GI	none	Score	60
Exons	12366..12443, 12476..12709, 12477..12710		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o4.tc	Method	TBLASTX:Cress
Start	12449	End	12959
GI	none	Score	244
Exons	12449..12862, 12486..12959		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	12470	End	12899
GI	none	Score	352
Exons	12470..12673, 12486..12899, 12543..12899		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	12711	End	13262
GI	none	Score	733
Exons	12711..13262, 12714..13223, 13209..13256		

Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o5.ts	Method	TBLASTX:Soybean
Start	12903	End	13319
GI	none	Score	275

Exons	12903..13319, 12905..13108, 13169..13318		
Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o3.tc	Method	TBLASTX:Cress
Start	12959	End	13322
GI	none	Score	268
Exons	12959..13276, 12963..13277, 13242..13322, 13274..13321		
Seq. No.	20128	Seq. ID	OJ990916_20.9C03.C4
Gene No.	42055	Strand	
Start	12071	End	14120
Name	OJ990916_20.9C03.C4.o3.ts	Method	TBLASTX:Soybean
Start	13422	End	13778
GI	none	Score	299
Exons	13422..13769, 13628..13735, 13632..13778		
Seq. No.	20129	Seq. ID	OJ990916_20.9C03.C5
Gene No.	42056	Strand	+
Start	624	End	1677
Name	OJ990916_20.9C03.C5.o2.tc	Method	TBLASTX:Cress
Start	548	End	821
GI	none	Score	268
Exons	548..787, 621..728, 624..821, 742..813		
Seq. No.	20129	Seq. ID	OJ990916_20.9C03.C5
Gene No.	42056	Strand	+
Start	624	End	1677
Name	OJ990916_20.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	566	End	1455
GI	none	Score	123
Exons	566..931, 622..885, 624..932, 1297..1455, 1302..1454		
Seq. No.	20129	Seq. ID	OJ990916_20.9C03.C5
Gene No.	42056	Strand	+
Start	624	End	1677
Name	OJ990916_20.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	621	End	794
GI	none	Score	287
Exons	621..791, 622..792, 624..794		
Seq. No.	20129	Seq. ID	OJ990916_20.9C03.C5
Gene No.	42056	Strand	+
Start	624	End	1677
Name	OJ990916_20.9C03.C5.o1.gs	Method	GENSCAN
Start	624	End	1524
GI	none	Score	.95
Exons	624..933, 1304..1524		
Seq. No.	20129	Seq. ID	OJ990916_20.9C03.C5
Gene No.	42056	Strand	+
Start	624	End	1677
Name	OJ990916_20.9C03.C5.o1.np	Method	AAT/NAP
Start	624	End	1521
GI	3892057	Score	740
Exons	624..933, 1304..1521		

GI Descrip. (AC002330) hypothetical protein [Arabidopsis thaliana]

Seq. No.	20129	Seq. ID	OJ990916_20.9C03.C5
Gene No.	42056	Strand	+
Start	624	End	1677
Name	OJ990916_20.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	798	End	932
GI	none	Score	197
Exons	798..932, 842..931		

Seq. No.	20129	Seq. ID	OJ990916_20.9C03.C5
Gene No.	42056	Strand	+
Start	624	End	1677
Name	OJ990916_20.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	879	End	1528
GI	none	Score	60
Exons	879..932, 1297..1350, 1351..1524, 1356..1523, 1408..1527, 1412..1528		

Seq. No.	20129	Seq. ID	OJ990916_20.9C03.C5
Gene No.	42056	Strand	+
Start	624	End	1677
Name	OJ990916_20.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	1297	End	1677
GI	none	Score	369
Exons	1297..1527, 1302..1526, 1436..1543, 1574..1606, 1575..1625, 1578..1625, 1651..1677, 1652..1675		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42057	Strand	+
Start	5852	End	12616
Name	OJ990916_20.9C03.C6.o2.np	Method	AAT/NAP
Start	5852	End	8875
GI	6957707	Score	582
Exons	5852..6170, 7940..8278, 8409..8875		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42057	Strand	+
Start	5852	End	12616
Name	OJ990916_20.9C03.C6.o2.gs	Method	GENSCAN
Start	7796	End	11241
GI	none	Score	.45
Exons	7796..8204, 8359..8939, 9021..9217, 9975..11241		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42057	Strand	+
Start	5852	End	12616
Name	OJ990916_20.9C03.C6.o3.np	Method	AAT/NAP
Start	8606	End	12616
GI	2462745	Score	187
Exons	8606..8759, 10092..10695, 12568..12616		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42057	Strand	+
Start	5852	End	12616

Name	OJ990916_20.9C03.C6.o4.np	Method	AAT/NAP
Start	8805	End	10948
GI	6957707	Score	447
Exons	8805..8907, 10183..10948		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42058	Strand	+
Start	17434	End	25233
Name	OJ990916_20.9C03.C6.o7.np	Method	AAT/NAP
Start	17434	End	25233
GI	2244771	Score	82
Exons	17434..17526, 17877..17970, 18191..18332, 18561..18659, 25134..25233		
GI Descrip.	(Z97335) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42058	Strand	+
Start	17434	End	25233
Name	OJ990916_20.9C03.C6.o3.gp	Method	AAT/GAP
Start	23738	End	24009
GI	2310235	Score	394
Exons	23738..24009		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42059	Strand	-
Start	672	End	7429
Name	OJ990916_20.9C03.C6.o1.gs	Method	GENSCAN
Start	672	End	7429
GI	none	Score	.64
Exons	672..1034, 3319..3586, 4189..4566, 4940..5155, 6593..6845, 7123..7196, 7419..7429		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42059	Strand	-
Start	672	End	7429
Name	OJ990916_20.9C03.C6.o1.np	Method	AAT/NAP
Start	687	End	3510
GI	6912244	Score	507
Exons	687..1034, 3319..3510		
GI Descrip.	ADP-ribosylation factor-like 5 gi|5138991|gb|AAD40383.1| (AF100740) ARF-family of Ras related GTPases [Homo sapiens]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42059	Strand	-
Start	672	End	7429
Name	OJ990916_20.9C03.C6.o1.gp	Method	AAT/GAP
Start	3373	End	3702
GI	66291_1.R1084	Score	640
Exons	3373..3702		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42060	Strand	-

Start	8533	End	14406
Name	OJ990916_20.9C03.C6.o5.np	Method	AAT/NAP
Start	8533	End	13847
GI	4680204	Score	71
Exons	8533..8555, 9001..9133, 10953..11177, 13824..13847		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42060	Strand	-
Start	8533	End	14406
Name	OJ990916_20.9C03.C6.o6.np	Method	AAT/NAP
Start	8552	End	14406
GI	6016691	Score	37
Exons	8552..8602, 10792..10840, 14160..14406		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	649	End	947
GI	none	Score	314
Exons	649..945, 672..944, 687..947		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	678	End	6711
GI	none	Score	255
Exons	678..1061, 679..1035, 3308..3397, 3316..3513, 3443..3511, 6561..6620, 6563..6619, 6616..6711		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	684	End	6711
GI	none	Score	125
Exons	684..1034, 687..1034, 3316..3513, 3317..3466, 6563..6619, 6616..6711		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	684	End	6711
GI	none	Score	111
Exons	684..1034, 684..1034, 3314..3508, 3316..3516, 6410..6463, 6561..6620, 6563..6619, 6616..6711, 6622..6699		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	948	End	6834
GI	none	Score	114

Exons 948..1061, 949..1035, 3307..3513, 3308..3511, 3558..3602, 6561..6620, 6563..6619, 6616..6711, 6622..6705, 6794..6826, 6802..6834

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o2.tc	Method	TBLASTX:Cress
Start	7985	End	10473
GI	none	Score	310

Exons 7985..8275, 7996..8271, 10180..10221, 10234..10335, 10335..10472, 10336..10473

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	7993	End	11252
GI	none	Score	96

Exons 7993..8265, 8006..8281, 8077..8268, 8090..8275, 8439..8702, 8474..8707, 8826..8942, 9084..9170, 9174..9281, 9174..9272, 9200..9280, 10179..10211, 10180..10212, 10222..10335, 10257..10361, 10335..10472, 10336..10473, 10501..10599, 10521..10598, 10557..10733, 10573..10728, 10726..10755, 10902..10964, 10903..11241, 11013..11123, 11095..11235, 11115..11252

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	8006	End	10920
GI	none	Score	358

Exons 8006..8284, 8011..8280, 8090..8284, 8471..8593, 8472..8723, 10180..10212, 10182..10208, 10228..10335, 10335..10472, 10336..10473, 10602..10697, 10603..10728, 10675..10818, 10879..10920

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	8820	End	11232
GI	none	Score	120

Exons 8820..8942, 9081..9158, 9174..9269, 9182..9274, 10924..11232, 11106..11213

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o4.gs	Method	GENSCAN
Start	17734	End	24189
GI	none	Score	.45

Exons 17734..17879, 18235..18288, 19038..19123, 19247..19434, 19471..19486, 19748..19864, 20554..20690, 20770..20868, 20963..21035, 21120..21230, 21337..21498, 21605..22314, 22536..22640, 22771..22890, 22936..24189

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o8.np	Method	AAT/NAP
Start	20518	End	24204
GI	4680204	Score	972
Exons	20518..20749, 21100..21230, 21325..21498, 21605..22675, 22764..24204		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o9.np	Method	AAT/NAP
Start	22312	End	22811
GI	6016691	Score	45
Exons	22312..22445, 22637..22811		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	20130	Seq. ID	OJ990916_20.9C03.C6
Gene No.	42061	Strand	-
Start	17734	End	24204
Name	OJ990916_20.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	23161	End	23561
GI	none	Score	69
Exons	23161..23256, 23162..23266, 23291..23458, 23323..23559, 23365..23559, 23421..23561, 23451..23561		

Seq. No.	20131	Seq. ID	OJ990916_20.9C03.C7
Gene No.	42062	Strand	+
Start	152	End	301
Name	OJ990916_20.9C03.C7.o1.gs	Method	GENSCAN
Start	152	End	301
GI	none	Score	.83
Exons	152..301		

Seq. No.	20131	Seq. ID	OJ990916_20.9C03.C7
Gene No.	42063	Strand	-
Start	449	End	2745
Name	OJ990916_20.9C03.C7.o1.gp	Method	AAT/GAP
Start	449	End	2745
GI	342_1.R1084	Score	3738
Exons	449..998, 1131..2745		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	20131	Seq. ID	OJ990916_20.9C03.C7
Gene No.	42063	Strand	-
Start	449	End	2745
Name	OJ990916_20.9C03.C7.o2.gs	Method	GENSCAN
Start	1203	End	2744
GI	none	Score	.48
Exons	1203..1824, 1858..2744		

Seq. No.	20131	Seq. ID	OJ990916_20.9C03.C7
Gene No.	42063	Strand	-

Start	449	End	2745
Name	OJ990916_20.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	1278	End	2595
GI	none	Score	52
Exons	1278..1370, 1279..1344, 1359..1439, 1452..1592, 1453..1593, 1540..1635, 1572..1631, 1638..1682, 1643..1678, 1677..2594, 1692..2009, 1966..2595		

Seq. No.	20131	Seq. ID	OJ990916_20.9C03.C7
Gene No.	42063	Strand	-
Start	449	End	2745
Name	OJ990916_20.9C03.C7.o1.np	Method	AAT/NAP
Start	1762	End	2745
GI	6742729	Score	1496
Exons	1762..2745		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	20131	Seq. ID	OJ990916_20.9C03.C7
Gene No.	42063	Strand	-
Start	449	End	2745
Name	OJ990916_20.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	1859	End	2307
GI	none	Score	81
Exons	1859..2110, 1860..2009, 1965..2303, 1966..2307		

Seq. No.	20131	Seq. ID	OJ990916_20.9C03.C7
Gene No.	42063	Strand	-
Start	449	End	2745
Name	OJ990916_20.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	2238	End	2552
GI	none	Score	136
Exons	2238..2552, 2266..2541		

Seq. No.	20132	Seq. ID	OJ990916_20.9C03.C8
Gene No.	42064	Strand	-
Start	1	End	144
Name	OJ990916_20.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	144
GI	5852182	Score	178
Exons	1..144		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	20133	Seq. ID	OJ990916_20.9C03.C9
Gene No.	42065	Strand	+
Start	1147	End	1720
Name	OJ990916_20.9C03.C9.o1.gs	Method	GENSCAN
Start	1147	End	1720
GI	none	Score	.47
Exons	1147..1720		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42066	Strand	+
Start	4338	End	4742
Name	OJ990916_20.9C03.C10.o1.gs	Method	GENSCAN
Start	4338	End	4742
GI	none	Score	.99
Exons	4338..4742		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42067	Strand	+
Start	6124	End	10404
Name	OJ990916_20.9C03.C10.o2.gs	Method	GENSCAN
Start	6124	End	10183
GI	none	Score	.79
Exons	6124..6378, 6579..6683, 6755..6898, 7227..7623, 8395..9041, 9352..9548, 9790..10183		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42067	Strand	+
Start	6124	End	10404
Name	OJ990916_20.9C03.C10.o1.np	Method	AAT/NAP
Start	6243	End	10404
GI	6691197	Score	190
Exons	6243..6267, 7558..7637, 8781..9049, 9435..9519, 9788..9970, 10354..10404		
GI Descrip.	(AC007534) F7F22.5 [Arabidopsis thaliana]		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42068	Strand	+
Start	11138	End	12126
Name	OJ990916_20.9C03.C10.o2.np	Method	AAT/NAP
Start	11138	End	12126
GI	170076	Score	360
Exons	11138..11213, 11561..11718, 11835..11915, 11992..12126		
GI Descrip.	(L01433) calmodulin [Glycine max] gi|1583770|prf||2121384D calmodulin [Glycine max]		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42068	Strand	+
Start	11138	End	12126
Name	OJ990916_20.9C03.C10.o3.gs	Method	GENSCAN
Start	11138	End	12126
GI	none	Score	.45
Exons	11138..11213, 11561..11718, 11826..11915, 11992..12126		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42069	Strand	+
Start	12119	End	12474
Name	OJ990916_20.9C03.C10.o2.gp	Method	AAT/GAP
Start	12119	End	12474
GI	LIB3434-026-P1-K1-D8	Score	655
Exons	12119..12474		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42070	Strand	-
Start	10056	End	10397
Name	OJ990916_20.9C03.C10.o1.gp	Method	AAT/GAP
Start	10056	End	10397
GI	none	Score	638
Exons	10056..10397		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10

Gene No.	42071	Strand	-
Start	13034	End	13978
Name	OJ990916_20.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	8661	End	9904
GI	none	Score	40
Exons	8661..8723, 8700..9035, 8739..9023, 8792..9070, 8827..9036, 8972..9046, 9363..9407, 9364..9549, 9409..9489, 9468..9542, 9473..9550, 9787..9903, 9788..9844, 9788..9904		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42071	Strand	-
Start	13034	End	13978
Name	OJ990916_20.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	8700	End	9031
GI	none	Score	366
Exons	8700..9029, 8798..9031, 8801..9031		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42071	Strand	-
Start	13034	End	13978
Name	OJ990916_20.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	9859	End	10168
GI	none	Score	175
Exons	9859..9960, 9860..9961, 9922..10149, 9926..10150, 9931..10155, 9932..10168		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42071	Strand	-
Start	13034	End	13978
Name	OJ990916_20.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	9905	End	10147
GI	none	Score	387
Exons	9905..10147, 9907..10146		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42071	Strand	-
Start	13034	End	13978
Name	OJ990916_20.9C03.C10.o2.tc	Method	TBLASTX:Cress
Start	11138	End	12120
GI	none	Score	78
Exons	11138..11215, 11560..11718, 11602..11712, 11841..11918, 12055..12120		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42071	Strand	-
Start	13034	End	13978
Name	OJ990916_20.9C03.C10.o3.ts	Method	TBLASTX:Soybean
Start	11138	End	11894
GI	none	Score	86
Exons	11138..11215, 11560..11715, 11560..11703, 11841..11894		

Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42071	Strand	-
Start	13034	End	13978
Name	OJ990916_20.9C03.C10.o2.tm	Method	TBLASTX:Maize
Start	11150	End	11918
GI	none	Score	70

Exons	11150..11227, 11560..11715, 11578..11691, 11838..11918		
Seq. No.	20134	Seq. ID	OJ990916_20.9C03.C10
Gene No.	42071	Strand	-
Start	13034	End	13978
Name	OJ990916_20.9C03.C10.o4.gs	Method	GENSCAN
Start	13034	End	13978
GI	none	Score	.97
Exons	13034..13093, 13607..13661, 13754..13836, 13973..13978		
Seq. No.	20135	Seq. ID	OJ990916_20.9C03.C11
Gene No.	42072	Strand	-
Start	653	End	6142
Name	OJ990916_20.9C03.C11.o1.gs	Method	GENSCAN
Start	653	End	6142
GI	none	Score	.79
Exons	653..705, 954..1026, 1920..1977, 2240..2671, 3084..3309, 3941..4124, 4495..4648, 4868..4944, 5772..6142		
Seq. No.	20135	Seq. ID	OJ990916_20.9C03.C11
Gene No.	42072	Strand	-
Start	653	End	6142
Name	OJ990916_20.9C03.C11.o1.gp	Method	AAT/GAP
Start	1663	End	2354
GI	2799556	Score	407
Exons	1663..1789, 1920..1977, 2240..2354		
Seq. No.	20135	Seq. ID	OJ990916_20.9C03.C11
Gene No.	42072	Strand	-
Start	653	End	6142
Name	OJ990916_20.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	2277	End	3236
GI	none	Score	277
Exons	2277..2546, 2279..2548, 2279..2563, 2547..2672, 2558..2695, 2559..2672, 3075..3236, 3081..3233		
Seq. No.	20136	Seq. ID	OJ990916_20.9C03.C12
Gene No.	42073	Strand	+
Start	3623	End	4635
Name	OJ990916_20.9C03.C12.o2.np	Method	AAT/NAP
Start	3623	End	4635
GI	5777617	Score	110
Exons	3623..3791, 4496..4635		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	20136	Seq. ID	OJ990916_20.9C03.C12
Gene No.	42074	Strand	-
Start	1	End	4888
Name	OJ990916_20.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	4888
GI	5689481	Score	124
Exons	1..58, 328..486, 1552..1674, 4834..4888		
GI Descrip.	(AB028995) KIAA1072 protein [Homo sapiens]		
Seq. No.	20136	Seq. ID	OJ990916_20.9C03.C12
Gene No.	42074	Strand	-
Start	1	End	4888

Name	OJ990916_20.9C03.C12.o1.gs	Method	GENSCAN
Start	373	End	3859
GI	none	Score	.41
Exons	373..558, 1528..1666, 2117..2138, 2633..2882, 3427..3859		

Seq. No.	20136	Seq. ID	OJ990916_20.9C03.C12
Gene No.	42074	Strand	-
Start	1	End	4888
Name	OJ990916_20.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	2632	End	2825
GI	none	Score	187
Exons	2632..2823, 2635..2793, 2790..2825		

Seq. No.	20137	Seq. ID	OJ990916_20.9C03.C13
Gene No.	42075	Strand	+
Start	143	End	1242
Name	OJ990916_20.9C03.C13.o1.gs	Method	GENSCAN
Start	143	End	1242
GI	none	Score	.87
Exons	143..190, 890..944, 1007..1134, 1162..1242		

Seq. No.	20137	Seq. ID	OJ990916_20.9C03.C13
Gene No.	42076	Strand	-
Start	185	End	290
Name	OJ990916_20.9C03.C13.o1.np	Method	AAT/NAP
Start	185	End	290
GI	5777617	Score	83
Exons	185..290		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	20138	Seq. ID	OJ990916_20.9C03.C14
Gene No.	42077	Strand	+
Start	246	End	321
Name	OJ990916_20.9C03.C14.o1.gs	Method	GENSCAN
Start	246	End	321
GI	none	Score	.63
Exons	246..321		

Seq. No.	20139	Seq. ID	OJ990916_20.9C03.C15
Gene No.	42078	Strand	-
Start	596	End	766
Name	OJ990916_20.9C03.C15.o1.gs	Method	GENSCAN
Start	596	End	766
GI	none	Score	.42
Exons	596..766		

Seq. No.	20140	Seq. ID	OJ990716_11.9C23.C1
Gene No.	42079	Strand	-
Start	50	End	1044
Name	OJ990716_11.9C23.C1.o1.gs	Method	GENSCAN
Start	50	End	1044
GI	none	Score	.57
Exons	50..509, 852..1044		

Seq. No.	20140	Seq. ID	OJ990716_11.9C23.C1
Gene No.	42079	Strand	-
Start	50	End	1044

Name	OJ990716_11.9C23.C1.o1.np	Method	AAT/NAP
Start	180	End	509
GI	5852182	Score	426
Exons	180..509		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	20141	Seq. ID	OJ990716_11.9C23.C2
Gene No.	42080	Strand	+
Start	2490	End	2629
Name	OJ990716_11.9C23.C2.o1.gs	Method	GENSCAN
Start	2490	End	2629
GI	none	Score	.49
Exons	2490..2629		

Seq. No.	20141	Seq. ID	OJ990716_11.9C23.C2
Gene No.	42081	Strand	-
Start	2017	End	2129
Name	OJ990716_11.9C23.C2.o1.np	Method	AAT/NAP
Start	2017	End	2129
GI	6721547	Score	96
Exons	2017..2129		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	20142	Seq. ID	OJ990716_11.9C23.C3
Gene No.	42082	Strand	-
Start	359	End	1983
Name	OJ990716_11.9C23.C3.o1.gs	Method	GENSCAN
Start	359	End	1914
GI	none	Score	.41
Exons	359..585, 1438..1914		

Seq. No.	20142	Seq. ID	OJ990716_11.9C23.C3
Gene No.	42082	Strand	-
Start	359	End	1983
Name	OJ990716_11.9C23.C3.o1.gp	Method	AAT/GAP
Start	1024	End	1635
GI	87304_1.R1084	Score	1163
Exons	1024..1635		
GI Descrip.	'167527 2.0e-15 (M91375) This sequence shows homology with Cucumber peroxidase.; peroxidase; putative [Cucumis sativus]'		

Seq. No.	20142	Seq. ID	OJ990716_11.9C23.C3
Gene No.	42082	Strand	-
Start	359	End	1983
Name	OJ990716_11.9C23.C3.o1.np	Method	AAT/NAP
Start	1400	End	1983
GI	5002348	Score	408
Exons	1400..1824, 1915..1983		
GI Descrip.	(AF149280) peroxidase 5 precursor [Phaseolus vulgaris]		

Seq. No.	20142	Seq. ID	OJ990716_11.9C23.C3
Gene No.	42082	Strand	-
Start	359	End	1983
Name	OJ990716_11.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	1427	End	1801
GI	none	Score	308
Exons	1427..1801, 1428..1799		

Seq. No.	20142	Seq. ID	OJ990716_11.9C23.C3
Gene No.	42082	Strand	-
Start	359	End	1983
Name	OJ990716_11.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	1442	End	1855
GI	none	Score	140
Exons	1442..1567, 1571..1855, 1596..1826		

Seq. No.	20142	Seq. ID	OJ990716_11.9C23.C3
Gene No.	42082	Strand	-
Start	359	End	1983
Name	OJ990716_11.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	1524	End	1982
GI	none	Score	244
Exons	1524..1826, 1524..1820, 1532..1855, 1913..1981, 1914..1982		

Seq. No.	20142	Seq. ID	OJ990716_11.9C23.C3
Gene No.	42082	Strand	-
Start	359	End	1983
Name	OJ990716_11.9C23.C3.o2.gp	Method	AAT/GAP
Start	1526	End	1983
GI	65408_1.R1084	Score	601
Exons	1526..1824, 1915..1983		
GI Descrip.	'217995/dbj|BAA02840| 1.0e-35 (D13683) peroxidase [Populus kitakamiensis]'		

Seq. No.	20142	Seq. ID	OJ990716_11.9C23.C3
Gene No.	42082	Strand	-
Start	359	End	1983
Name	OJ990716_11.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	1565	End	1949
GI	5677403	Score	116
Exons	1565..1855, 1638..1826, 1902..1949		
GI Descrip.	2117620/pir__JC4779 6.0e-63 peroxidase (EC 1.11.1.7) 1A - alfalfa >gi_971558_emb_CAA62225_ (X90692) peroxidase1A [Medicago sativa]		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42083	Strand	+
Start	1375	End	1839
Name	OJ990716_11.9C23.C4.o1.gs	Method	GENSCAN
Start	1375	End	1839
GI	none	Score	.78
Exons	1375..1839		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42084	Strand	-
Start	1408	End	1884
Name	OJ990716_11.9C23.C4.o1.np	Method	AAT/NAP
Start	1408	End	1818
GI	1279654	Score	329
Exons	1408..1818		
GI Descrip.	(X97351) peroxidase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42084	Strand	-

Start	1408	End	1884
Name	OJ990716_11.9C23.C4.o1.gp	Method	AAT/GAP
Start	1433	End	1884
GI	26353_1.R1084	Score	832
Exons	1433..1884		
GI Descrip.	'1279654/emb|CAA66037| 5.0e-25 (X97351) peroxidase [Populus balsamifera subsp. trichocarpa]'		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42085	Strand	-
Start	3677	End	4990
Name	OJ990716_11.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	1408	End	1740
GI	none	Score	154
Exons	1408..1740, 1415..1657		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42085	Strand	-
Start	3677	End	4990
Name	OJ990716_11.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	1408	End	1741
GI	none	Score	147
Exons	1408..1554, 1409..1552, 1558..1692, 1558..1740, 1562..1741		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42085	Strand	-
Start	3677	End	4990
Name	OJ990716_11.9C23.C4.o1.tw	Method	TBLASTX:Wheat
Start	1414	End	1725
GI	none	Score	57
Exons	1414..1530, 1427..1468, 1531..1725, 1577..1711		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42085	Strand	-
Start	3677	End	4990
Name	OJ990716_11.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	1417	End	1741
GI	none	Score	203
Exons	1417..1740, 1418..1741		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42085	Strand	-
Start	3677	End	4990
Name	OJ990716_11.9C23.C4.o2.gs	Method	GENSCAN
Start	3677	End	4990
GI	none	Score	.53
Exons	3677..3873, 4558..4695, 4942..4990		

Seq. No.	20143	Seq. ID	OJ990716_11.9C23.C4
Gene No.	42085	Strand	-
Start	3677	End	4990
Name	OJ990716_11.9C23.C4.o2.gp	Method	AAT/GAP
Start	4319	End	4836
GI	LIB3434-038-P1-K1-F1	Score	742
Exons	4319..4836		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20144	Seq. ID	OJ990716_11.9C23.C5
Gene No.	42086	Strand	+
Start	354	End	463
Name	OJ990716_11.9C23.C5.o1.gs	Method	GENSCAN
Start	354	End	463
GI	none	Score	.64
Exons	354..463		

Seq. No.	20144	Seq. ID	OJ990716_11.9C23.C5
Gene No.	42087	Strand	+
Start	657	End	1962
Name	OJ990716_11.9C23.C5.o1.np	Method	AAT/NAP
Start	657	End	1962
GI	6815099	Score	82
Exons	657..693, 1832..1962		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	20144	Seq. ID	OJ990716_11.9C23.C5
Gene No.	42088	Strand	-
Start	1298	End	1688
Name	OJ990716_11.9C23.C5.o2.gs	Method	GENSCAN
Start	1298	End	1688
GI	none	Score	.87
Exons	1298..1366, 1554..1688		

Seq. No.	20144	Seq. ID	OJ990716_11.9C23.C5
Gene No.	42089	Strand	-
Start	2925	End	4254
Name	OJ990716_11.9C23.C5.o3.gs	Method	GENSCAN
Start	2925	End	4254
GI	none	Score	.81
Exons	2925..3172, 4204..4254		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42090	Strand	+
Start	285	End	491
Name	OJ990716_11.9C23.C8.o1.gs	Method	GENSCAN
Start	285	End	491
GI	none	Score	.44
Exons	285..390, 487..491		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42091	Strand	+
Start	4181	End	6742
Name	OJ990716_11.9C23.C8.o4.gs	Method	GENSCAN
Start	4181	End	6742
GI	none	Score	.62
Exons	4181..4429, 4549..4946, 4968..5017, 5100..5737, 5786..5902, 6107..6742		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42092	Strand	+
Start	7807	End	8419
Name	OJ990716_11.9C23.C8.o2.np	Method	AAT/NAP
Start	7689	End	7919
GI	4680186	Score	235

Exons	7689..7919		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42092	Strand	+
Start	7807	End	8419
Name	OJ990716_11.9C23.C8.o5.gs	Method	GENSCAN
Start	7807	End	8419
GI	none	Score	1
Exons	7807..7867, 8313..8419		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42093	Strand	+
Start	11524	End	11838
Name	OJ990716_11.9C23.C8.o7.gs	Method	GENSCAN
Start	11524	End	11838
GI	none	Score	.65
Exons	11524..11838		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42094	Strand	-
Start	1	End	2361
Name	OJ990716_11.9C23.C8.o1.np	Method	AAT/NAP
Start	1	End	2361
GI	6815052	Score	566
Exons	1..364, 1254..1353, 1654..1775, 2056..2126, 2208..2361		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42094	Strand	-
Start	1	End	2361
Name	OJ990716_11.9C23.C8.o2.gs	Method	GENSCAN
Start	1650	End	2361
GI	none	Score	.5
Exons	1650..1771, 2208..2361		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42095	Strand	-
Start	7467	End	7847
Name	OJ990716_11.9C23.C8.o1.gp	Method	AAT/GAP
Start	7467	End	7847
GI	uC-osf1cyp033a04b1	Score	646
Exons	7467..7847		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o3.np	Method	AAT/NAP
Start	8312	End	10201
GI	6907087	Score	893
Exons	8312..8413, 8953..9644, 9853..10201		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o6.gs	Method	GENSCAN
Start	8828	End	10384
GI	none	Score	.63
Exons	8828..9571, 9619..9903, 9946..10045, 10368..10384		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o4.np	Method	AAT/NAP
Start	9369	End	14605
GI	1076211	Score	176
Exons	9369..9669, 10421..10577, 11004..11071, 14526..14605		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o5.np	Method	AAT/NAP
Start	10814	End	16191
GI	4206306	Score	1639
Exons	10814..10857, 12143..14827, 16134..16191		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o8.gs	Method	GENSCAN
Start	12012	End	16571
GI	none	Score	.49
Exons	12012..12424, 12441..12686, 12728..13339, 13404..13583, 13640..14138, 14196..15209, 15239..15548, 15550..15854, 16080..16136, 16431..16571		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o3.tw	Method	TBLASTX:Wheat
Start	12255	End	12602
GI	none	Score	105
Exons	12255..12449, 12441..12602		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o4.tm	Method	TBLASTX:Maize
Start	12357	End	12528
GI	none	Score	168
Exons	12357..12527, 12358..12528		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-

Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o3.tm	Method	TBLASTX:Maize
Start	12528	End	12986
GI	none	Score	86
Exons	12528..12596, 12660..12986, 12715..12876		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o4.tw	Method	TBLASTX:Wheat
Start	12609	End	13001
GI	none	Score	184
Exons	12609..13001		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o1.ts	Method	TBLASTX:Soybean
Start	13443	End	13826
GI	none	Score	77
Exons	13443..13826, 13669..13776		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o5.tw	Method	TBLASTX:Wheat
Start	13452	End	13667
GI	none	Score	75
Exons	13452..13667, 13470..13640		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o2.tm	Method	TBLASTX:Maize
Start	13548	End	13928
GI	none	Score	170
Exons	13548..13928, 13558..13815		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o1.tw	Method	TBLASTX:Wheat
Start	13668	End	14087
GI	none	Score	109
Exons	13668..14087, 13669..13815, 13918..14085		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571
Name	OJ990716_11.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	13956	End	14313
GI	none	Score	151
Exons	13956..14270, 13956..14312, 13957..14313		

Seq. No.	20145	Seq. ID	OJ990716_11.9C23.C8
Gene No.	42096	Strand	-
Start	8312	End	16571

Name	OJ990716_11.9C23.C8.o2.tw	Method	TBLASTX:Wheat
Start	14088	End	14441
GI	none	Score	89
Exons	14088..14270, 14088..14441, 14089..14415		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42097	Strand	+
Start	173	End	1480
Name	OJ990716_11.9C23.C10.o1.gs	Method	GENSCAN
Start	173	End	1480
GI	none	Score	.92
Exons	173..343, 1341..1480		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42098	Strand	+
Start	6172	End	7476
Name	OJ990716_11.9C23.C10.o3.gs	Method	GENSCAN
Start	6172	End	7476
GI	none	Score	1
Exons	6172..7476		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o1.np	Method	AAT/NAP
Start	1	End	4087
GI	2586082	Score	3815
Exons	1..4087		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o3.tc	Method	TBLASTX:Cress
Start	3	End	410
GI	none	Score	130
Exons	3..116, 96..197, 207..410		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o2.ts	Method	TBLASTX:Soybean
Start	24	End	413
GI	none	Score	51
Exons	24..206, 42..122, 43..207, 195..413, 202..384, 207..398		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o3.tm	Method	TBLASTX:Maize
Start	96	End	548
GI	none	Score	96
Exons	96..416, 429..548		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087

Name	OJ990716_11.9C23.C10.o1.tw	Method	TBLASTX:Wheat
Start	153	End	584
GI	none	Score	203
Exons	153..548, 154..552, 552..584		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	564	End	965
GI	none	Score	36
Exons	564..965, 565..612, 652..942		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o3.tw	Method	TBLASTX:Wheat
Start	585	End	1097
GI	none	Score	49
Exons	585..761, 753..1097, 874..939, 973..1080		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o1.ts	Method	TBLASTX:Soybean
Start	762	End	1265
GI	5509260	Score	59
Exons	762..1265, 763..828, 788..958, 874..1143, 1029..1265		
GI Descrip.	-		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o1.tc	Method	TBLASTX:Cress
Start	879	End	1152
GI	none	Score	39
Exons	879..1151, 880..945, 985..1152		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o6.tm	Method	TBLASTX:Maize
Start	966	End	1218
GI	none	Score	136
Exons	966..1217, 967..1218		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o2.tc	Method	TBLASTX:Cress
Start	1846	End	2322
GI	none	Score	64
Exons	1846..1944, 1938..2318, 2143..2322		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087

Name	OJ990716_11.9C23.C10.o3.ts	Method	TBLASTX:Soybean
Start	1876	End	2291
GI	none	Score	196
Exons	1876..1950, 1926..2291		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o5.tm	Method	TBLASTX:Maize
Start	1885	End	2309
GI	none	Score	76
Exons	1885..1947, 1938..2198, 2220..2309		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o5.tw	Method	TBLASTX:Wheat
Start	1956	End	2495
GI	none	Score	141
Exons	1956..1997, 2103..2297, 2322..2495		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o2.tw	Method	TBLASTX:Wheat
Start	2819	End	3149
GI	none	Score	99
Exons	2819..3148, 2831..2947, 2832..3149		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o7.tm	Method	TBLASTX:Maize
Start	2819	End	3091
GI	none	Score	222
Exons	2819..3091		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o4.tw	Method	TBLASTX:Wheat
Start	3410	End	3781
GI	none	Score	219
Exons	3410..3781		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42099	Strand	-
Start	1	End	4087
Name	OJ990716_11.9C23.C10.o2.tm	Method	TBLASTX:Maize
Start	3584	End	3989
GI	none	Score	102
Exons	3584..3880, 3681..3869, 3743..3889, 3935..3988, 3939..3989		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42100	Strand	
Start	6336	End	7595
Name	OJ990716_11.9C23.C10.o6.tw	Method	TBLASTX:Wheat

Start	6336	End	6740
GI	none	Score	76
Exons	6336..6422, 6337..6423, 6456..6482, 6457..6501, 6592..6726, 6593..6721, 6598..6723, 6609..6740		

Seq. No.	20146	Seq. ID	OJ990716_11.9C23.C10
Gene No.	42100	Strand	
Start	6336	End	7595
Name	OJ990716_11.9C23.C10.o4.tm	Method	TBLASTX:Maize
Start	6598	End	7595
GI	none	Score	184
Exons	6598..6792, 6609..6794, 6874..7029, 7027..7155, 7240..7317, 7384..7458, 7563..7595		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42101	Strand	+
Start	6330	End	7673
Name	OJ990716_11.9C23.C11.o2.gs	Method	GENSCAN
Start	6330	End	7673
GI	none	Score	.97
Exons	6330..7673		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42102	Strand	+
Start	27569	End	28807
Name	OJ990716_11.9C23.C11.o6.gs	Method	GENSCAN
Start	27569	End	28807
GI	none	Score	.78
Exons	27569..27626, 28268..28376, 28750..28807		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42103	Strand	-
Start	13145	End	24929
Name	OJ990716_11.9C23.C11.o4.gs	Method	GENSCAN
Start	13145	End	20035
GI	none	Score	.52
Exons	13145..13879, 14019..14172, 15371..16456, 16572..16602, 16735..16995, 17536..18493, 18878..19161, 19423..20035		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42103	Strand	-
Start	13145	End	24929
Name	OJ990716_11.9C23.C11.o2.np	Method	AAT/NAP
Start	13160	End	23370
GI	6498441	Score	1714
Exons	13160..13453, 13556..14858, 14993..15687, 15877..16283, 18953..19057, 19738..19824, 21105..21153, 21431..21466, 22174..23370		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42103	Strand	-
Start	13145	End	24929
Name	OJ990716_11.9C23.C11.o5.gs	Method	GENSCAN
Start	22140	End	24929

GI	none	Score	.75
Exons	22140..22819, 23033..23401, 23502..23636, 23875..24009, 24695..24929		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o4.tm	Method	TBLASTX:Maize
Start	6495	End	6934
GI	none	Score	89
Exons	6495..6644, 6744..6917, 6773..6934		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o3.tw	Method	TBLASTX:Wheat
Start	6507	End	6904
GI	none	Score	74
Exons	6507..6584, 6591..6641, 6617..6646, 6621..6665, 6756..6890, 6757..6885, 6762..6887, 6764..6904		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o3.ts	Method	TBLASTX:Soybean
Start	13151	End	13399
GI	none	Score	51
Exons	13151..13399, 13158..13190, 13227..13397, 13232..13399		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o4.tw	Method	TBLASTX:Wheat
Start	13175	End	13582
GI	none	Score	57
Exons	13175..13582, 13209..13382		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o4.ts	Method	TBLASTX:Soybean
Start	13942	End	14223
GI	none	Score	205
Exons	13942..14223		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o3.tm	Method	TBLASTX:Maize
Start	13972	End	14304
GI	none	Score	207
Exons	13972..14304		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o5.tw	Method	TBLASTX:Wheat

Start	14554	End	14958
GI	none	Score	75
Exons	14554..14829, 14869..14958		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o1.ts	Method	TBLASTX:Soybean
Start	14591	End	15003
GI	none	Score	123
Exons	14591..14845, 14593..14844, 14866..15003, 14870..15001		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o2.ts	Method	TBLASTX:Soybean
Start	15154	End	15624
GI	none	Score	92
Exons	15154..15342, 15167..15298, 15343..15624, 15518..15586		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o6.tw	Method	TBLASTX:Wheat
Start	15304	End	15639
GI	none	Score	196
Exons	15304..15639		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	15310	End	15771
GI	none	Score	69
Exons	15310..15771, 15311..15430, 15382..15570, 15518..15622, 15640..15771		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	15640	End	16044
GI	none	Score	214
Exons	15640..15984, 15640..15993, 15689..15985, 15988..16044, 15998..16036		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o2.tm	Method	TBLASTX:Maize
Start	15772	End	15990
GI	none	Score	202
Exons	15772..15990, 15773..15985		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312

Name	OJ990716_11.9C23.C11.o5.ts	Method	TBLASTX:Soybean
Start	15841	End	16206
GI	none	Score	126
Exons	15841..15975, 15982..16206		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o6.ts	Method	TBLASTX:Soybean
Start	16616	End	16954
GI	none	Score	194
Exons	16616..16954		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o2.tw	Method	TBLASTX:Wheat
Start	18338	End	23159
GI	none	Score	106
Exons	18338..18472, 22830..23102, 22864..23103, 23070..23159, 23071..23151		

Seq. No.	20147	Seq. ID	OJ990716_11.9C23.C11
Gene No.	42104	Strand	-
Start	29180	End	29312
Name	OJ990716_11.9C23.C11.o7.gs	Method	GENSCAN
Start	29180	End	29312
GI	none	Score	.97
Exons	29180..29262, 29309..29312		

Seq. No.	20148	Seq. ID	OJ990716_11.9C23.C12
Gene No.	42105	Strand	+
Start	1042	End	3802
Name	OJ990716_11.9C23.C12.o2.gs	Method	GENSCAN
Start	1042	End	3680
GI	none	Score	.52
Exons	1042..1440, 3229..3357, 3390..3680		

Seq. No.	20148	Seq. ID	OJ990716_11.9C23.C12
Gene No.	42105	Strand	+
Start	1042	End	3802
Name	OJ990716_11.9C23.C12.o2.np	Method	AAT/NAP
Start	1938	End	3802
GI	6721516	Score	42
Exons	1938..2095, 3722..3802		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	20148	Seq. ID	OJ990716_11.9C23.C12
Gene No.	42106	Strand	-
Start	1	End	464
Name	OJ990716_11.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	464
GI	6815097	Score	302
Exons	1..464		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	20148	Seq. ID	OJ990716_11.9C23.C12
Gene No.	42106	Strand	-
Start	1	End	464
Name	OJ990716_11.9C23.C12.o1.gs	Method	GENSCAN
Start	18	End	428
GI	none	Score	.99
Exons	18..428		

Seq. No.	20148	Seq. ID	OJ990716_11.9C23.C12
Gene No.	42107	Strand	-
Start	5296	End	9058
Name	OJ990716_11.9C23.C12.o3.gs	Method	GENSCAN
Start	5296	End	8997
GI	none	Score	.65
Exons	5296..5475, 5575..5673, 6142..6310, 6399..6611, 6758..6956, 6998..7215, 7302..7516, 7976..8353, 8423..8568, 8662..8997		

Seq. No.	20148	Seq. ID	OJ990716_11.9C23.C12
Gene No.	42107	Strand	-
Start	5296	End	9058
Name	OJ990716_11.9C23.C12.o3.np	Method	AAT/NAP
Start	5311	End	9058
GI	4680204	Score	867
Exons	5311..5524, 5917..6052, 6142..6310, 6385..7495, 7589..8845, 8888..9058		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20148	Seq. ID	OJ990716_11.9C23.C12
Gene No.	42107	Strand	-
Start	5296	End	9058
Name	OJ990716_11.9C23.C12.o2.tw	Method	TBLASTX:Wheat
Start	7283	End	7657
GI	none	Score	63
Exons	7283..7501, 7583..7657		

Seq. No.	20148	Seq. ID	OJ990716_11.9C23.C12
Gene No.	42107	Strand	-
Start	5296	End	9058
Name	OJ990716_11.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	7979	End	8380
GI	none	Score	60
Exons	7979..8149, 7989..8048, 8144..8380, 8186..8380		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42108	Strand	+
Start	5323	End	7279
Name	OJ990716_11.9C23.C13.o2.gs	Method	GENSCAN
Start	5323	End	7279
GI	none	Score	.82
Exons	5323..5324, 5577..5664, 5797..5856, 5944..6110, 6166..7279		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42109	Strand	-
Start	1	End	4646
Name	OJ990716_11.9C23.C13.o1.gp	Method	AAT/GAP
Start	1	End	3318
GI	342_1.R1084	Score	5339

Exons	1..3318		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42109	Strand	-
Start	1	End	4646
Name	OJ990716_11.9C23.C13.o1.np	Method	AAT/NAP
Start	11	End	4646
GI	4680203	Score	3211
Exons	11..988, 1265..1495, 1649..3322, 4589..4646		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o1.tw	Method	TBLASTX:Wheat
Start	80	End	1396
GI	none	Score	49
Exons	80..157, 81..131, 82..153, 146..226, 174..227, 231..311, 233..349, 233..379, 240..380, 359..418, 360..422, 425..466, 425..469, 464..1381, 480..1382, 1202..1396		
Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o1.tc	Method	TBLASTX:Cress
Start	646	End	1094
GI	none	Score	102
Exons	646..897, 647..796, 657..1085, 668..1090, 681..1094		
Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o2.tm	Method	TBLASTX:Maize
Start	1025	End	1339
GI	none	Score	144
Exons	1025..1339, 1053..1328		
Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o4.tw	Method	TBLASTX:Wheat
Start	1397	End	1793
GI	none	Score	62
Exons	1397..1468, 1398..1469, 1501..1713, 1502..1744, 1542..1724, 1730..1792, 1743..1793		
Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o2.ts	Method	TBLASTX:Soybean
Start	1826	End	2068
GI	none	Score	209
Exons	1826..2068		
Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13

Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o1.tm	Method	TBLASTX:Maize
Start	1898	End	2354
GI	none	Score	97
Exons	1898..2092, 2102..2344, 2103..2354		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o2.tw	Method	TBLASTX:Wheat
Start	1937	End	2401
GI	none	Score	70
Exons	1937..2044, 1937..2161, 1977..2138, 1999..2139, 2133..2234, 2139..2231, 2141..2236, 2141..2239, 2225..2323, 2243..2347, 2247..2348, 2345..2401, 2349..2393		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o2.tc	Method	TBLASTX:Cress
Start	2189	End	2537
GI	none	Score	86
Exons	2189..2530, 2208..2336, 2385..2537		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o1.ts	Method	TBLASTX:Soybean
Start	2270	End	2699
GI	none	Score	93
Exons	2270..2566, 2283..2534, 2561..2623, 2616..2699, 2624..2698		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o3.tw	Method	TBLASTX:Wheat
Start	2615	End	2970
GI	none	Score	162
Exons	2615..2869, 2620..2862, 2628..2870, 2630..2881, 2631..2873, 2864..2965, 2878..2970		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o3.gs	Method	GENSCAN
Start	9296	End	13004
GI	none	Score	.66
Exons	9296..9475, 9575..9673, 9769..9841, 10401..10613, 10686..10959, 11350..11512, 11585..11950, 11963..12345, 12515..13004		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o3.np	Method	AAT/NAP
Start	9305	End	13019
GI	4680204	Score	945

Exons	9305..9468, 9575..9661, 9943..10052, 10142..10280, 10367..11491, 11585..13019		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20149	Seq. ID	OJ990716_11.9C23.C13
Gene No.	42110	Strand	-
Start	9296	End	13019
Name	OJ990716_11.9C23.C13.o5.tw	Method	TBLASTX:Wheat
Start	11975	End	12378
GI	none	Score	50
Exons	11975..12085, 11975..12145, 12015..12146, 12135..12275, 12140..12376, 12149..12376, 12262..12378		

Seq. No.	20150	Seq. ID	OJ990716_11.9C23.C14
Gene No.	42111	Strand	+
Start	1	End	1519
Name	OJ990716_11.9C23.C14.o1.np	Method	AAT/NAP
Start	1	End	1519
GI	4680186	Score	132
Exons	1..51, 1295..1519		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20150	Seq. ID	OJ990716_11.9C23.C14
Gene No.	42112	Strand	-
Start	1915	End	3675
Name	OJ990716_11.9C23.C14.o2.np	Method	AAT/NAP
Start	1915	End	3675
GI	6907087	Score	916
Exons	1915..2016, 2556..3274, 3321..3675		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20151	Seq. ID	OJ990716_11.9C23.C15
Gene No.	42113	Strand	-
Start	872	End	2471
Name	OJ990716_11.9C23.C15.o1.gs	Method	GENSCAN
Start	872	End	2434
GI	none	Score	.43
Exons	872..1075, 1089..1460, 1715..2434		

Seq. No.	20151	Seq. ID	OJ990716_11.9C23.C15
Gene No.	42113	Strand	-
Start	872	End	2471
Name	OJ990716_11.9C23.C15.o1.np	Method	AAT/NAP
Start	893	End	2471
GI	4680203	Score	1235
Exons	893..2471		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20151	Seq. ID	OJ990716_11.9C23.C15
Gene No.	42113	Strand	-
Start	872	End	2471
Name	OJ990716_11.9C23.C15.o1.tw	Method	TBLASTX:Wheat
Start	947	End	1829
GI	none	Score	53
Exons	947..1039, 948..1013, 949..1035, 1065..1106, 1075..1107,		

1111..1191, 1113..1226, 1120..1233, 1131..1232, 1207..1302,
1239..1298, 1268..1306, 1304..1351, 1305..1349, 1309..1350,
1344..1661, 1360..1656, 1377..1658, 1664..1828, 1665..1829

Seq. No.	20151	Seq. ID	OJ990716_11.9C23.C15
Gene No.	42113	Strand	-
Start	872	End	2471
Name	OJ990716_11.9C23.C15.o3.tw	Method	TBLASTX:Wheat
Start	1829	End	2080
GI	none	Score	149
Exons	1829..1960, 1830..1961, 1935..2069, 1958..2080		

Seq. No.	20151	Seq. ID	OJ990716_11.9C23.C15
Gene No.	42113	Strand	-
Start	872	End	2471
Name	OJ990716_11.9C23.C15.o1.ts	Method	TBLASTX:Soybean
Start	2069	End	2311
GI	none	Score	190
Exons	2069..2311		

Seq. No.	20151	Seq. ID	OJ990716_11.9C23.C15
Gene No.	42113	Strand	-
Start	872	End	2471
Name	OJ990716_11.9C23.C15.o1.tm	Method	TBLASTX:Maize
Start	2141	End	2470
GI	none	Score	135
Exons	2141..2335, 2345..2470		

Seq. No.	20151	Seq. ID	OJ990716_11.9C23.C15
Gene No.	42113	Strand	-
Start	872	End	2471
Name	OJ990716_11.9C23.C15.o2.tw	Method	TBLASTX:Wheat
Start	2175	End	2471
GI	none	Score	170
Exons	2175..2381, 2180..2404, 2376..2471, 2382..2462, 2384..2470		

Seq. No.	20152	Seq. ID	OJ990726_11.9C03.C2
Gene No.	42114	Strand	+
Start	205	End	563
Name	OJ990726_11.9C03.C2.o1.gs	Method	GENSCAN
Start	205	End	563
GI	none	Score	.97
Exons	205..314, 481..563		

Seq. No.	20153	Seq. ID	OJ990726_11.9C03.C3
Gene No.	42115	Strand	-
Start	109	End	201
Name	OJ990726_11.9C03.C3.o1.gs	Method	GENSCAN
Start	109	End	201
GI	none	Score	.43
Exons	109..201		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42116	Strand	+
Start	1	End	10794
Name	OJ990726_11.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	6770

GI	6686341	Score	557
Exons	1..269, 3551..3637, 3722..3797, 4222..4436, 4536..4612, 4891..5007, 5142..5407, 6376..6487, 6651..6770		
GI Descrip.	TRANSCRIPTION INITIATION FACTOR TFIID 100 KD SUBUNIT (TAFII-100) (TAFII100) gi|1932938 (U80191) TFIID subunit TAFII100 [Homo sapiens]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42116	Strand	+
Start	1	End	10794
Name	OJ990726_11.9C03.C4.o1.gs	Method	GENSCAN
Start	645	End	10663
GI	none	Score	.72
Exons	645..785, 1137..1224, 1341..1450, 1641..1757, 2125..2276, 3527..3637, 3697..3721, 3883..3922, 4272..4436, 4536..4612, 4891..5007, 5142..5407, 6376..6471, 8507..8564, 10550..10663		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42116	Strand	+
Start	1	End	10794
Name	OJ990726_11.9C03.C4.o1.gp	Method	AAT/GAP
Start	10542	End	10794
GI	2797897	Score	394
Exons	10542..10794		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42117	Strand	+
Start	13265	End	15750
Name	OJ990726_11.9C03.C4.o2.np	Method	AAT/NAP
Start	13265	End	15750
GI	5922623	Score	205
Exons	13265..13345, 13726..13884, 14052..14127, 15658..15750		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42118	Strand	+
Start	21417	End	24551
Name	OJ990726_11.9C03.C4.o2.gp	Method	AAT/GAP
Start	21417	End	22508
GI	44707_1.R1084	Score	960
Exons	21417..21823, 22418..22508		
GI Descrip.	'3128169 1.0e-14 (AC004521) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42118	Strand	+
Start	21417	End	24551
Name	OJ990726_11.9C03.C4.o3.np	Method	AAT/NAP
Start	21680	End	24352
GI	3128168	Score	1219
Exons	21680..21823, 22418..22504, 22643..22900, 23008..23172, 23349..23402, 23561..23707, 23978..24352		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4

Gene No.	42118	Strand	+
Start	21417	End	24551
Name	OJ990726_11.9C03.C4.o3.gs	Method	GENSCAN
Start	21686	End	24355
GI	none	Score	.98
Exons	21686..21823, 22418..22504, 22643..22900, 23008..23172, 23349..23402, 23561..23707, 23978..24355		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42118	Strand	+
Start	21417	End	24551
Name	OJ990726_11.9C03.C4.o3.gp	Method	AAT/GAP
Start	22681	End	24551
GI	15873_1.R1084	Score	1894
Exons	22681..22900, 23008..23172, 23349..23402, 23561..23707, 23978..24421, 24462..24551		
GI Descrip.	'3128168 1.0e-116 (AC004521) putative carboxyl-terminal peptidase [Arabidopsis thaliana]'		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42119	Strand	+
Start	42224	End	42756
Name	OJ990726_11.9C03.C4.o7.gp	Method	AAT/GAP
Start	42224	End	42756
GI	none	Score	1022
Exons	42224..42756		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42120	Strand	+
Start	76289	End	76916
Name	OJ990726_11.9C03.C4.o8.gp	Method	AAT/GAP
Start	76289	End	76916
GI	65_2.R1084	Score	1194
Exons	76289..76916		
GI Descrip.	'296129/emb|CAA46197| 1.0e-41 (X65064) prolamin [Oryza sativa] >gi_971122_dbj_BAA09940_ (D63901) 13kDa prolamin [Oryza sativa]'		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42120	Strand	+
Start	76289	End	76916
Name	OJ990726_11.9C03.C4.o10.np	Method	AAT/NAP
Start	76332	End	76799
GI	6174927	Score	804
Exons	76332..76799		
GI Descrip.	13 KD PROLAMIN PRECURSOR gi|296129|emb|CAA46197| (X65064) prolamin [Oryza sativa] gi|971122|dbj|BAA09940| (D63901) 13kDa prolamin [Oryza sativa]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42121	Strand	+
Start	81263	End	81884
Name	OJ990726_11.9C03.C4.o9.gp	Method	AAT/GAP
Start	81263	End	81884
GI	65_1.R1084	Score	1215
Exons	81263..81884		
GI Descrip.	'4126691/dbj|BAA36697| 2.0e-35 (AB016503) prolamin [Oryza sativa]'		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42121	Strand	+
Start	81263	End	81884
Name	OJ990726_11.9C03.C4.o11.np	Method	AAT/NAP
Start	81302	End	81769
GI	4126691	Score	799
Exons	81302..81769		
GI Descrip.	(AB016503) prolamin [Oryza sativa]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42122	Strand	+
Start	87701	End	87805
Name	OJ990726_11.9C03.C4.o10.gp	Method	AAT/GAP
Start	87701	End	87805
GI	69953_1.R1084	Score	120
Exons	87701..87805		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42123	Strand	+
Start	95245	End	97007
Name	OJ990726_11.9C03.C4.o15.gs	Method	GENSCAN
Start	95245	End	97007
GI	none	Score	.4
Exons	95245..95598, 95699..95810, 95879..96035, 96917..97007		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42124	Strand	+
Start	100228	End	102000
Name	OJ990726_11.9C03.C4.o16.gs	Method	GENSCAN
Start	100228	End	102000
GI	none	Score	.62
Exons	100228..100252, 101159..101374, 101900..102000		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42125	Strand	+
Start	102852	End	105783
Name	OJ990726_11.9C03.C4.o17.gs	Method	GENSCAN
Start	102852	End	105783
GI	none	Score	.85
Exons	102852..102992, 103323..103373, 104267..104447, 105770..105783		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42126	Strand	+
Start	109545	End	110583
Name	OJ990726_11.9C03.C4.o14.np	Method	AAT/NAP
Start	109330	End	110566
GI	6648215	Score	774
Exons	109330..109938, 110019..110341, 110372..110566		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42126	Strand	+
Start	109545	End	110583
Name	OJ990726_11.9C03.C4.o19.gs	Method	GENSCAN

Start	109545	End	110583
GI	none	Score	.41
Exons	109545..109938, 109973..110583		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42127	Strand	-
Start	25602	End	28248
Name	OJ990726_11.9C03.C4.o4.gs	Method	GENSCAN
Start	25602	End	28248
GI	none	Score	.5
Exons	25602..25719, 26986..27063, 27139..27234, 28136..28248		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42128	Strand	-
Start	31776	End	41387
Name	OJ990726_11.9C03.C4.o4.gp	Method	AAT/GAP
Start	31327	End	31648
GI	2801343	Score	399
Exons	31327..31648		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42128	Strand	-
Start	31776	End	41387
Name	OJ990726_11.9C03.C4.o5.gs	Method	GENSCAN
Start	31776	End	41387
GI	none	Score	.69
Exons	31776..31891, 31957..32071, 32472..32552, 32807..32899, 33018..33172, 33266..33374, 33534..33724, 34706..34837, 35718..35971, 36658..36830, 37266..37541, 38082..38201, 38294..38419, 38872..39270, 39346..39905, 39933..40215, 40334..40485, 41366..41387		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42128	Strand	-
Start	31776	End	41387
Name	OJ990726_11.9C03.C4.o4.np	Method	AAT/NAP
Start	31823	End	38168
GI	6729045	Score	1590
Exons	31823..31891, 32472..32552, 32807..32899, 33018..33172, 33266..33374, 33534..33726, 34639..34857, 35696..35971, 36658..36830, 37266..37541, 38082..38168		
GI Descrip.	(AC009177) putative aminopeptidase [Arabidopsis thaliana]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42128	Strand	-
Start	31776	End	41387
Name	OJ990726_11.9C03.C4.o5.np	Method	AAT/NAP
Start	31829	End	38973
GI	6968120	Score	593
Exons	31829..31891, 32472..32552, 32807..32899, 33018..33172, 33266..33374, 33534..33724, 34706..34857, 35696..35840, 36633..36830, 37266..37466, 38027..38201, 38294..38419, 38872..38973		
GI Descrip.	(AL139075) putative aminopeptidase [Campylobacter jejuni]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42128	Strand	-

Start	31776	End	41387
Name	OJ990726_11.9C03.C4.o5.gp	Method	AAT/GAP
Start	35717	End	35882
GI	none	Score	312
Exons	35717..35882		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42128	Strand	-
Start	31776	End	41387
Name	OJ990726_11.9C03.C4.o6.gp	Method	AAT/GAP
Start	38952	End	39256
GI	none	Score	570
Exons	38952..39256		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42128	Strand	-
Start	31776	End	41387
Name	OJ990726_11.9C03.C4.o6.np	Method	AAT/NAP
Start	38973	End	39221
GI	5430769	Score	68
Exons	38973..39221		
GI Descrip.	(AC007504) Similar to somatic embryogenesis receptor-like kinase [Arabidopsis thaliana]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42129	Strand	-
Start	42663	End	49955
Name	OJ990726_11.9C03.C4.o6.gs	Method	GENSCAN
Start	42663	End	49657
GI	none	Score	.88
Exons	42663..42836, 42978..43196, 43653..43775, 43845..43982, 44095..44295, 45102..45229, 45357..45432, 45597..45746, 45837..46358, 46451..46600, 46802..47088, 47179..47375, 47511..47683, 48133..48180, 48832..48960, 49064..49178, 49584..49657		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42129	Strand	-
Start	42663	End	49955
Name	OJ990726_11.9C03.C4.o7.np	Method	AAT/NAP
Start	42666	End	49955
GI	2335096	Score	1212
Exons	42666..42760, 42884..43196, 43650..43757, 43845..43982, 44095..44295, 45102..45229, 45357..45432, 45597..45739, 45839..46358, 46802..47088, 47485..47683, 48028..48180, 48832..48915, 49064..49178, 49287..49411, 49584..49658, 49805..49955		
GI Descrip.	(AC002339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42130	Strand	-
Start	56244	End	57916
Name	OJ990726_11.9C03.C4.o8.np	Method	AAT/NAP
Start	56244	End	57916
GI	6539588	Score	294
Exons	56244..56291, 57621..57916		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42131	Strand	-
Start	60877	End	66134
Name	OJ990726_11.9C03.C4.o8.gs	Method	GENSCAN
Start	60877	End	62157
GI	none	Score	.78
Exons	60877..61053, 61178..61265, 62099..62157		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42131	Strand	-
Start	60877	End	66134
Name	OJ990726_11.9C03.C4.o9.np	Method	AAT/NAP
Start	61459	End	64144
GI	4689223	Score	149
Exons	61459..61511, 63791..64144		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42131	Strand	-
Start	60877	End	66134
Name	OJ990726_11.9C03.C4.o9.gs	Method	GENSCAN
Start	63377	End	66134
GI	none	Score	.54
Exons	63377..64144, 64174..64352, 65748..66039, 66075..66134		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42132	Strand	-
Start	83075	End	89179
Name	OJ990726_11.9C03.C4.o13.gs	Method	GENSCAN
Start	83075	End	89179
GI	none	Score	.5
Exons	83075..83130, 84307..85302, 87022..87286, 88073..89179		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42132	Strand	-
Start	83075	End	89179
Name	OJ990726_11.9C03.C4.o12.np	Method	AAT/NAP
Start	86945	End	89161
GI	3319343	Score	1563
Exons	86945..87390, 88073..89161		
GI Descrip.	(AF077407) contains similarity to sugar transporters (Pfam: sugar_tr.hmm, score: 395.91) [Arabidopsis thaliana]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42133	Strand	-
Start	90548	End	96091
Name	OJ990726_11.9C03.C4.o11.gp	Method	AAT/GAP
Start	90279	End	96091
GI	827_1.R1084	Score	2824
Exons	90279..90659, 90748..90826, 90982..91075, 91775..91918, 92133..92333, 92428..92511, 92762..92809, 92952..93006, 93373..93428, 93524..93608, 93728..93801, 94336..94402, 95377..95485, 95971..96091		
GI Descrip.	'3560531 0.0e+00 (AF042332) cycloartenol-C24-methyltransferase [Oryza sativa subsp. japonica]'		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42133	Strand	-
Start	90548	End	96091
Name	OJ990726_11.9C03.C4.o14.gs	Method	GENSCAN
Start	90548	End	94388
GI	none	Score	.92
Exons	90548..90659, 90982..91079, 91793..91918, 92133..92333, 92428..92511, 92762..92809, 93524..93608, 93728..93772, 94336..94388		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42133	Strand	-
Start	90548	End	96091
Name	OJ990726_11.9C03.C4.o13.np	Method	AAT/NAP
Start	90772	End	95459
GI	3560531	Score	1502
Exons	90772..90826, 90982..91079, 91778..91918, 92133..92333, 92428..92511, 92762..92809, 92952..93006, 93373..93428, 93524..93608, 93728..93801, 94336..94402, 95377..95459		
GI Descrip.	(AF042332) cycloartenol-C24-methyltransferase [Oryza sativa subsp. japonica]		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42134	Strand	-
Start	103206	End	103600
Name	OJ990726_11.9C03.C4.o12.gp	Method	AAT/GAP
Start	103206	End	103600
GI	none	Score	642
Exons	103206..103600		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42135	Strand	-
Start	105960	End	107885
Name	OJ990726_11.9C03.C4.o18.gs	Method	GENSCAN
Start	105960	End	107885
GI	none	Score	.83
Exons	105960..106016, 107181..107885		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o16.tm	Method	TBLASTX:Maize
Start	496	End	1426
GI	none	Score	90
Exons	496..579, 497..574, 528..584, 665..724, 693..731, 731..802, 732..800, 910..996, 915..977, 1129..1224, 1136..1219, 1327..1425, 1334..1426, 1340..1426		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o10.ts	Method	TBLASTX:Soybean
Start	3524	End	4437
GI	none	Score	148
Exons	3524..3637, 3534..3638, 3723..3791, 3728..3790, 3878..3904, 3883..3909, 4307..4402, 4345..4437		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o5.ts	Method	TBLASTX:Soybean
Start	4516	End	6763
GI	none	Score	153
Exons	4516..4608, 4529..4612, 4532..4618, 4875..4997, 4888..4992, 4893..5006, 5131..5337, 5142..5405, 5144..5401, 5145..5402, 5169..5363, 5178..5390, 5195..5407, 6358..6447, 6370..6468, 6371..6469, 6551..6625, 6553..6615, 6713..6763, 6718..6759		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o15.tm	Method	TBLASTX:Maize
Start	4538	End	5390
GI	none	Score	144
Exons	4538..4612, 4542..4619, 4542..4613, 4867..5007, 4888..4992, 4896..5006, 5142..5258, 5144..5257, 5145..5384, 5202..5390		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	21770	End	24354
GI	none	Score	92
Exons	21770..21823, 22406..22510, 22417..22497, 22625..22900, 22639..22899, 22647..22901, 22648..22902, 23005..23175, 23005..23172, 23007..23174, 23346..23402, 23348..23401, 23560..23709, 23561..23707, 23563..23715, 23948..24094, 23951..24352, 23977..24315, 24250..24354, 24302..24343		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o8.ts	Method	TBLASTX:Soybean
Start	22406	End	22852
GI	none	Score	133
Exons	22406..22510, 22625..22852, 22642..22848		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o4.tw	Method	TBLASTX:Wheat
Start	22412	End	22864
GI	none	Score	151
Exons	22412..22510, 22417..22497, 22625..22681, 22730..22864, 22735..22836		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o7.tc	Method	TBLASTX:Cress
Start	22730	End	23402
GI	none	Score	159
Exons	22730..22852, 22732..22836, 23005..23175, 23007..23174,		

23346..23402

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	23004	End	24358
GI	none	Score	297
Exons	23004..23174, 23005..23175, 23346..23402, 23560..23709, 23561..23707, 23951..24358, 23975..24091, 23977..24315		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o7.tw	Method	TBLASTX:Wheat
Start	23068	End	23709
GI	none	Score	79
Exons	23068..23136, 23346..23402, 23564..23707, 23566..23709, 23578..23709		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o3.tc	Method	TBLASTX:Cress
Start	23560	End	24280
GI	none	Score	208
Exons	23560..23709, 23561..23707, 23948..24088, 23951..24280, 23977..24279		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	24091	End	110311
GI	none	Score	392
Exons	24091..24315, 24092..24346, 24250..24354, 24302..24328, 110171..110311		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o7.tm	Method	TBLASTX:Maize
Start	32861	End	34781
GI	none	Score	247
Exons	32861..32905, 33018..33173, 33019..33174, 33245..33376, 33261..33383, 33262..33375, 33532..33723, 33534..33725, 33534..33728, 33535..33726, 34704..34778, 34704..34781, 34705..34779		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o9.ts	Method	TBLASTX:Soybean
Start	33111	End	34794
GI	none	Score	72
Exons	33111..33173, 33112..33174, 33261..33383, 33262..33375, 33267..33380, 33533..33637, 33534..33719, 33535..33720,		

34707..34793, 34708..34794

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o12.tm	Method	TBLASTX:Maize
Start	35771	End	37484
GI	none	Score	86
Exons	35771..35845, 35824..35919, 35839..35919, 35917..36033, 35921..35974, 36657..36830, 36658..36882, 37255..37479, 37266..37484, 37266..37484		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o6.tm	Method	TBLASTX:Maize
Start	43856	End	46207
GI	none	Score	121
Exons	43856..43981, 43856..43972, 43861..43983, 43863..43988, 43884..43988, 44087..44293, 44095..44292, 44100..44306, 44112..44306, 45091..45231, 45105..45233, 45105..45233, 45109..45243, 45352..45435, 45357..45434, 45361..45450, 45362..45460, 45595..45633, 45597..45746, 45597..45746, 45598..45747, 45611..45748, 45685..45750, 45834..46085, 45835..46086, 45835..46044, 45840..46052, 45968..46102, 45986..46093, 46091..46198, 46099..46197, 46100..46207, 46129..46200		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o11.tm	Method	TBLASTX:Maize
Start	46237	End	46910
GI	none	Score	116
Exons	46237..46359, 46239..46361, 46257..46361, 46277..46417, 46445..46606, 46447..46506, 46469..46603, 46799..46909, 46800..46910		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o13.tm	Method	TBLASTX:Maize
Start	47260	End	48187
GI	none	Score	96
Exons	47260..47361, 47269..47361, 47282..47374, 47283..47375, 47471..47539, 47472..47534, 47472..47540, 47473..47541, 47576..47683, 47587..47679, 47595..47684, 48130..48183, 48131..48187		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o9.tc	Method	TBLASTX:Cress
Start	48823	End	49940
GI	none	Score	71
Exons	48823..48951, 49076..49177, 49286..49459, 49581..49658, 49600..49659, 49805..49939, 49815..49940		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o11.ts	Method	TBLASTX:Soybean
Start	49346	End	49940
GI	none	Score	77
Exons	49346..49459, 49581..49652, 49600..49659, 49802..49939, 49815..49940		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o6.tw	Method	TBLASTX:Wheat
Start	55507	End	55843
GI	none	Score	168
Exons	55507..55707, 55764..55832, 55814..55843		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o2.tw	Method	TBLASTX:Wheat
Start	84482	End	84865
GI	none	Score	81
Exons	84482..84865, 84633..84836		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	86956	End	89141
GI	none	Score	257
Exons	86956..87072, 86972..87328, 87130..87327, 88058..88306, 88113..88307, 88415..88972, 88425..88850, 88896..88958, 88973..89140, 88980..89141		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	86968	End	89140
GI	none	Score	173
Exons	86968..87036, 87031..87066, 87032..87331, 87130..87330, 88067..88303, 88104..88304, 88400..88963, 88488..88925, 88949..89140, 88968..89117		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o10.tm	Method	TBLASTX:Maize
Start	86980	End	87346
GI	none	Score	242
Exons	86980..87072, 86996..87346, 87130..87345		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766

Name	OJ990726_11.9C03.C4.o5.tw	Method	TBLASTX:Wheat
Start	87026	End	87327
GI	none	Score	196
Exons	87026..87322, 87028..87066, 87130..87327		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o9.tm	Method	TBLASTX:Maize
Start	88068	End	88729
GI	none	Score	111
Exons	88068..88307, 88073..88306, 88400..88462, 88448..88729, 88488..88727		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o14.tm	Method	TBLASTX:Maize
Start	88767	End	89149
GI	none	Score	183
Exons	88767..89117, 88769..89149		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o5.tm	Method	TBLASTX:Maize
Start	90748	End	95460
GI	none	Score	67
Exons	90748..90825, 90748..90828, 90767..90826, 90976..91080, 90981..91079, 91779..91919, 91787..91921, 91793..91921, 92127..92333, 92131..92370, 92133..92333, 92420..92512, 92425..92517, 92426..92530, 92427..92519, 92744..92812, 92950..93009, 92952..93008, 92999..93046, 93364..93432, 93375..93428, 93521..93610, 93521..93610, 93522..93611, 93727..93801, 93729..93803, 93729..93809, 93730..93807, 94330..94401, 94334..94402, 94334..94402, 95374..95460, 95376..95459		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o7.ts	Method	TBLASTX:Soybean
Start	90781	End	95456
GI	none	Score	110
Exons	90781..90828, 90981..91079, 90985..91134, 91787..91921, 91788..91919, 92125..92331, 92127..92330, 92431..92517, 92432..92512, 92744..92812, 92950..93009, 92952..93008, 93364..93432, 93375..93428, 93521..93610, 93522..93611, 93725..93802, 93727..93801, 95376..95456		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o8.tc	Method	TBLASTX:Cress
Start	92127	End	92652
GI	none	Score	38
Exons	92127..92324, 92434..92508, 92620..92652		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o6.tc	Method	TBLASTX:Cress
Start	92950	End	95445
GI	none	Score	67
Exons	92950..92997, 92952..92996, 93373..93432, 93375..93428, 93521..93610, 93522..93611, 93725..93802, 93727..93801, 94334..94417, 95374..95445, 95376..95444		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o3.tw	Method	TBLASTX:Wheat
Start	92952	End	95481
GI	none	Score	67
Exons	92952..92999, 92953..93012, 93366..93431, 93366..93428, 93373..93432, 93374..93433, 93374..93430, 93521..93610, 93522..93611, 93725..93802, 93726..93809, 93727..93801, 94334..94402, 94335..94400, 95373..95465, 95374..95481, 95376..95465, 95380..95469		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o8.tm	Method	TBLASTX:Maize
Start	103747	End	107573
GI	none	Score	73
Exons	103747..103821, 103750..103818, 107181..107333, 107181..107501, 107182..107430, 107502..107573		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	109406	End	110629
GI	none	Score	203
Exons	109406..109552, 109407..109553, 109686..109838, 109878..109961, 109880..109948, 109957..110313, 110018..110314, 110162..110317, 110425..110571, 110426..110563, 110597..110629		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o6.ts	Method	TBLASTX:Soybean
Start	109437	End	110563
GI	none	Score	125
Exons	109437..109553, 109439..109552, 109734..109760, 109875..109961, 110002..110310, 110021..110314, 110425..110559, 110426..110563		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o5.tc	Method	TBLASTX:Cress
Start	109877	End	110554
GI	none	Score	50

Exons	109877..109936, 109878..109961, 110021..110317, 110032..110313, 110426..110554		
Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o3.ts	Method	TBLASTX:Soybean
Start	113843	End	114383
GI	none	Score	253
Exons	113843..114181, 113856..114182, 114281..114376, 114282..114383		
Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o15.np	Method	AAT/NAP
Start	113855	End	116635
GI	2335097	Score	2471
Exons	113855..114180, 114280..116635		
GI Descrip.	(AC002339) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	113855	End	114785
GI	none	Score	434
Exons	113855..114181, 113856..114182, 113917..114186, 114279..114509, 114281..114589, 114282..114524, 114536..114784, 114537..114785		
Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o21.gs	Method	GENSCAN
Start	113855	End	116766
GI	none	Score	.52
Exons	113855..114180, 114280..116766		
Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o2.tc	Method	TBLASTX:Cress
Start	114005	End	114685
GI	none	Score	151
Exons	114005..114181, 114009..114182, 114079..114183, 114279..114503, 114281..114508, 114282..114512, 114539..114685, 114546..114677		
Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o4.ts	Method	TBLASTX:Soybean
Start	114779	End	116284
GI	none	Score	67
Exons	114779..114886, 114780..114887, 114941..115048, 114968..115540, 115080..115268, 115094..115432, 115520..115711, 115574..115756, 115643..115828, 115790..115972, 115808..115999, 115874..116011, 116108..116284, 116108..116260, 116177..116284		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	114989	End	116377
GI	none	Score	89
Exons	114989..115051, 114990..115055, 115050..115076, 115051..115077, 115075..115191, 115079..115762, 115080..115409, 115085..115753, 115490..115906, 115574..115978, 115643..116008, 115673..115855, 115712..116008, 115740..115757, 115743..116003, 115817..115999, 116108..116284, 116108..116194, 116114..116269, 116150..116281, 116177..116284, 116342..116377		

Seq. No.	20154	Seq. ID	OJ990726_11.9C03.C4
Gene No.	42136	Strand	-
Start	113855	End	116766
Name	OJ990726_11.9C03.C4.o4.tc	Method	TBLASTX:Cress
Start	115082	End	116395
GI	none	Score	70
Exons	115082..115237, 115103..115354, 115163..115348, 115166..115354, 115166..115348, 115166..115348, 115166..115285, 115166..115351, 115166..115348, 115169..115354, 115229..115333, 115238..115348, 115346..115939, 115358..116011, 115358..116008, 115385..115432, 115388..115999, 115469..116011, 115469..115999, 115529..115999, 115610..116008, 115652..116011, 115676..116281, 115743..115973, 116054..116284, 116108..116284, 116108..116284, 116108..116284, 116108..116257, 116108..116272, 116108..116281, 116108..116281, 116108..116284, 116108..116284, 116108..116284, 116108..116284, 116345..116395		

Seq. No.	20155	Seq. ID	OJ990726_11.9C03.C5
Gene No.	42137	Strand	-
Start	2367	End	3133
Name	OJ990726_11.9C03.C5.o1.gs	Method	GENSCAN
Start	2367	End	3133
GI	none	Score	.65
Exons	2367..2437, 2804..2884, 2974..3133		

Seq. No.	20156	Seq. ID	OJ990726_11.9C03.C6
Gene No.	42138	Strand	+
Start	1	End	1550
Name	OJ990726_11.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	1296
GI	6523547	Score	315
Exons	1..571, 726..1296		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	20156	Seq. ID	OJ990726_11.9C03.C6
Gene No.	42138	Strand	+
Start	1	End	1550
Name	OJ990726_11.9C03.C6.o1.gs	Method	GENSCAN
Start	538	End	1550
GI	none	Score	.47
Exons	538..651, 744..835, 880..1194, 1460..1550		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42139	Strand	+
Start	146	End	966
Name	OJ990726_11.9C03.C7.o1.gs	Method	GENSCAN
Start	146	End	966
GI	none	Score	.56
Exons	146..210, 400..520, 859..966		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42140	Strand	+
Start	3158	End	5764
Name	OJ990726_11.9C03.C7.o2.gs	Method	GENSCAN
Start	3158	End	5679
GI	none	Score	.47
Exons	3158..3446, 4167..4423, 4425..4712, 5521..5679		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42140	Strand	+
Start	3158	End	5764
Name	OJ990726_11.9C03.C7.o1.np	Method	AAT/NAP
Start	4041	End	5681
GI	6706420	Score	1081
Exons	4041..4712, 5521..5681		
GI Descrip.	(AL133248) 40S ribosomal protein S2 homolog [Arabidopsis thaliana]		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42140	Strand	+
Start	3158	End	5764
Name	OJ990726_11.9C03.C7.o1.gp	Method	AAT/GAP
Start	4594	End	5764
GI	LIB3433-036-P1-K1-B3	Score	636
Exons	4594..4712, 5521..5764		
GI Descrip.	'3915847/sp|P49688|RS2_ARATH 9.0e-17 40S RIBOSOMAL PROTEIN S2 >gi_2335095 (AC002339) putative 40S ribosomal protein S2 [Arabidopsis thaliana]'		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42141	Strand	+
Start	16612	End	19459
Name	OJ990726_11.9C03.C7.o3.np	Method	AAT/NAP
Start	16612	End	19459
GI	5734721	Score	65
Exons	16612..16714, 17173..17392, 19436..19459		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42142	Strand	+
Start	20069	End	22025
Name	OJ990726_11.9C03.C7.o7.gs	Method	GENSCAN
Start	20069	End	22025
GI	none	Score	.55
Exons	20069..20162, 20373..20608, 21858..22025		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42143	Strand	+
Start	23400	End	29242
Name	OJ990726_11.9C03.C7.o8.gs	Method	GENSCAN
Start	23400	End	29242
GI	none	Score	.84
Exons	23400..23553, 24328..24452, 24908..24938, 25622..26095, 26691..27028, 27713..27871, 28136..28248, 29045..29242		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42143	Strand	+
Start	23400	End	29242
Name	OJ990726_11.9C03.C7.o5.np	Method	AAT/NAP
Start	25904	End	27883
GI	6841354	Score	527
Exons	25904..26095, 26691..27028, 27713..27883		
GI Descrip.	(AF161543) HSPC058 [Homo sapiens]		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42144	Strand	-
Start	12210	End	12833
Name	OJ990726_11.9C03.C7.o3.gs	Method	GENSCAN
Start	12210	End	12833
GI	none	Score	.77
Exons	12210..12425, 12690..12833		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42145	Strand	-
Start	14610	End	15394
Name	OJ990726_11.9C03.C7.o4.gs	Method	GENSCAN
Start	14610	End	15394
GI	none	Score	.54
Exons	14610..14836, 15286..15394		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42146	Strand	-
Start	16618	End	17330
Name	OJ990726_11.9C03.C7.o5.gs	Method	GENSCAN
Start	16618	End	17330
GI	none	Score	.81
Exons	16618..16632, 17157..17330		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42147	Strand	-
Start	17323	End	19417
Name	OJ990726_11.9C03.C7.o4.np	Method	AAT/NAP
Start	17323	End	19305
GI	548488	Score	907
Exons	17323..17359, 17694..17908, 17998..18513, 18614..18634, 18736..18906, 18992..19123, 19208..19305		
GI Descrip.	POLYGALACTURONASE PRECURSOR (PG) (PECTINASE) gi|166325 (L12019) polygalacturonase [Actinidia deliciosa]		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42147	Strand	-
Start	17323	End	19417
Name	OJ990726_11.9C03.C7.o6.gs	Method	GENSCAN

Start	17690	End	19417
GI	none	Score	.82
Exons	17690..17908, 17998..18513, 18614..18634, 18736..18906, 18992..19123, 19208..19417		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	4157	End	22681
GI	none	Score	333
Exons	4157..4366, 4158..4370, 22562..22681		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	4160	End	5679
GI	none	Score	191
Exons	4160..4294, 4161..4295, 4295..4711, 4296..4718, 5518..5679, 5518..5640, 5520..5675		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	4161	End	5700
GI	none	Score	831
Exons	4161..4718, 4166..4711, 4451..4720, 4623..4712, 5518..5634, 5518..5625, 5519..5626, 5520..5633, 5635..5700, 5637..5699		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	4166	End	5628
GI	none	Score	177
Exons	4166..4285, 4167..4295, 4295..4375, 4296..4718, 4421..4711, 5518..5628, 5520..5624		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	4421	End	4694
GI	none	Score	451
Exons	4421..4693, 4422..4694		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o5.tw	Method	TBLASTX:Wheat
Start	5518	End	5679
GI	none	Score	185
Exons	5518..5634, 5518..5625, 5520..5648, 5520..5663, 5635..5679, 5635..5679		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o7.tw	Method	TBLASTX:Wheat
Start	8034	End	8329
GI	none	Score	64
Exons	8034..8120, 8037..8099, 8096..8329, 8168..8251		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o6.tm	Method	TBLASTX:Maize
Start	8058	End	8513
GI	none	Score	50
Exons	8058..8099, 8062..8097, 8096..8134, 8156..8323, 8160..8246, 8340..8513, 8396..8512		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o4.ts	Method	TBLASTX:Soybean
Start	8603	End	8916
GI	none	Score	130
Exons	8603..8764, 8773..8916		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o8.tw	Method	TBLASTX:Wheat
Start	8618	End	8910
GI	none	Score	85
Exons	8618..8770, 8776..8910		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o5.tm	Method	TBLASTX:Maize
Start	8776	End	9669
GI	none	Score	44
Exons	8776..8916, 8910..9092, 9061..9369, 9073..9105, 9107..9211, 9260..9349, 9361..9408, 9410..9496, 9437..9478, 9506..9646, 9508..9669		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o6.tw	Method	TBLASTX:Wheat
Start	9362	End	9621
GI	none	Score	81
Exons	9362..9505, 9371..9508, 9508..9603, 9508..9621		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o4.tw	Method	TBLASTX:Wheat
Start	9946	End	10233
GI	none	Score	83

Exons	9946..9990, 10011..10229, 10033..10233		
Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o3.tm	Method	TBLASTX:Maize
Start	17705	End	29346
GI	none	Score	88
Exons	17705..17929, 17706..17906, 18025..18099, 18115..18492, 18209..18247, 18275..18466, 18757..18849, 22513..22668, 22664..22717, 29104..29337, 29121..29336, 29236..29346		
Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o2.tc	Method	TBLASTX:Cress
Start	17711	End	29336
GI	none	Score	68
Exons	17711..17905, 17766..17906, 18025..18105, 18112..18510, 18209..18490, 29121..29336		
Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	17777	End	29342
GI	none	Score	80
Exons	17777..17851, 17858..17911, 17983..18513, 18001..18138, 18023..18139, 18209..18307, 18359..18460, 18748..18843, 18847..18912, 19016..19078, 29208..29282, 29277..29342		
Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	25656	End	26785
GI	none	Score	496
Exons	25656..25706, 25663..26094, 25767..26093, 25769..26095, 26685..26780, 26690..26785, 26693..26785		
Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o3.tw	Method	TBLASTX:Wheat
Start	25793	End	26752
GI	none	Score	111
Exons	25793..25945, 25794..25925, 25795..25959, 25929..26093, 25930..26094, 25974..26093, 26548..26577, 26686..26751, 26690..26752		
Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o3.tc	Method	TBLASTX:Cress
Start	26767	End	27874
GI	none	Score	396
Exons	26767..27033, 26768..27028, 26778..27041, 27709..27738,		

27710..27874, 27710..27859, 27811..27870

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o4.tm	Method	TBLASTX:Maize
Start	26786	End	28074
GI	none	Score	394
Exons	26786..27025, 26786..27022, 26788..27027, 27709..27915, 27710..27916, 27713..27916, 27948..28067, 27949..28074		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o3.ts	Method	TBLASTX:Soybean
Start	26930	End	27886
GI	none	Score	151
Exons	26930..27028, 26932..27033, 27708..27872, 27710..27886, 27710..27868, 27811..27882		

Seq. No.	20157	Seq. ID	OJ990726_11.9C03.C7
Gene No.	42148	Strand	-
Start	29115	End	29404
Name	OJ990726_11.9C03.C7.o6.np	Method	AAT/NAP
Start	29115	End	29404
GI	3320462	Score	166
Exons	29115..29404		
GI Descrip.	(AF062467) polygalacturonase precursor [Cucumis melo]		

Seq. No.	20158	Seq. ID	OJ990916_13.9C03.C1
Gene No.	42149	Strand	+
Start	1	End	365
Name	OJ990916_13.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	365
GI	5091513	Score	516
Exons	1..365		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	20158	Seq. ID	OJ990916_13.9C03.C1
Gene No.	42149	Strand	+
Start	1	End	365
Name	OJ990916_13.9C03.C1.o1.gs	Method	GENSCAN
Start	22	End	350
GI	none	Score	1
Exons	22..350		

Seq. No.	20159	Seq. ID	OJ990916_13.9C03.C3
Gene No.	42150	Strand	+
Start	91	End	6002
Name	OJ990916_13.9C03.C3.o1.gs	Method	GENSCAN
Start	91	End	3535
GI	none	Score	.78
Exons	91..280, 2839..2972, 3458..3535		

Seq. No.	20159	Seq. ID	OJ990916_13.9C03.C3
Gene No.	42150	Strand	+
Start	91	End	6002

Name	OJ990916_13.9C03.C3.o1.np	Method	AAT/NAP
Start	782	End	6002
GI	5777618	Score	288
Exons	782..829, 2826..2972, 4023..4432, 5958..6002		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	20159	Seq. ID	OJ990916_13.9C03.C3
Gene No.	42151	Strand	-
Start	4000	End	4668
Name	OJ990916_13.9C03.C3.o2.gs	Method	GENSCAN
Start	4000	End	4668
GI	none	Score	.64
Exons	4000..4094, 4626..4668		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42152	Strand	+
Start	1846	End	2232
Name	OJ990916_13.9C03.C4.o1.gp	Method	AAT/GAP
Start	1846	End	2232
GI	none	Score	737
Exons	1846..2232		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42153	Strand	+
Start	9289	End	14784
Name	OJ990916_13.9C03.C4.o3.gs	Method	GENSCAN
Start	9289	End	14784
GI	none	Score	.64
Exons	9289..9305, 10664..10874, 11402..12031, 12338..12351, 12809..13009, 13226..13794, 13853..14784		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42153	Strand	+
Start	9289	End	14784
Name	OJ990916_13.9C03.C4.o5.gp	Method	AAT/GAP
Start	14104	End	14380
GI	2798612	Score	380
Exons	14104..14380		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42154	Strand	+
Start	17609	End	18024
Name	OJ990916_13.9C03.C4.o5.gs	Method	GENSCAN
Start	17609	End	18024
GI	none	Score	.66
Exons	17609..17819, 17957..18024		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42155	Strand	+
Start	19196	End	19534
Name	OJ990916_13.9C03.C4.o6.gs	Method	GENSCAN
Start	19196	End	19534
GI	none	Score	.99
Exons	19196..19534		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42156	Strand	+

Start	28454	End	32210
Name	OJ990916_13.9C03.C4.o10.gs	Method	GENSCAN
Start	28454	End	31900
GI	none	Score	.46
Exons	28454..28814, 28944..29219, 29357..29489, 29834..29965, 30125..31035, 31368..31900		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42156	Strand	+
Start	28454	End	32210
Name	OJ990916_13.9C03.C4.o3.np	Method	AAT/NAP
Start	28784	End	32210
GI	4567294	Score	61
Exons	28784..28807, 30048..30268, 32174..32210		
GI Descrip.	(AC006918) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42157	Strand	-
Start	2107	End	5439
Name	OJ990916_13.9C03.C4.o1.np	Method	AAT/NAP
Start	700	End	5439
GI	6016874	Score	2235
Exons	700..725, 2518..2787, 3263..3602, 3720..3899, 4293..4452, 4843..5075, 5140..5277, 5361..5439		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42157	Strand	-
Start	2107	End	5439
Name	OJ990916_13.9C03.C4.o1.gs	Method	GENSCAN
Start	2107	End	5439
GI	none	Score	.67
Exons	2107..2409, 2529..2787, 3263..3602, 3720..3899, 4293..4452, 4843..5075, 5140..5277, 5361..5439		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42157	Strand	-
Start	2107	End	5439
Name	OJ990916_13.9C03.C4.o2.gp	Method	AAT/GAP
Start	4242	End	4750
GI	uC-osf1cyp110c07b1	Score	970
Exons	4242..4750		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42158	Strand	-
Start	6016	End	8463
Name	OJ990916_13.9C03.C4.o2.gs	Method	GENSCAN
Start	6016	End	8463
GI	none	Score	.47
Exons	6016..6278, 6425..6604, 6619..6804, 6849..6986, 7027..7115, 8450..8463		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42159	Strand	-
Start	9889	End	10006
Name	OJ990916_13.9C03.C4.o3.gp	Method	AAT/GAP
Start	9889	End	10006
GI	LIB3475-012-P1-K1-B11	Score	174
Exons	9889..10006		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-29 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42160	Strand	-
Start	13510	End	13955
Name	OJ990916_13.9C03.C4.o4.gp	Method	AAT/GAP
Start	13510	End	13955
GI	none	Score	827
Exons	13510..13955		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42161	Strand	-
Start	15118	End	15578
Name	OJ990916_13.9C03.C4.o4.gs	Method	GENSCAN
Start	15118	End	15578
GI	none	Score	.47
Exons	15118..15138, 15423..15578		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42162	Strand	-
Start	20097	End	20594
Name	OJ990916_13.9C03.C4.o7.gs	Method	GENSCAN
Start	20097	End	20594
GI	none	Score	.68
Exons	20097..20594		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42163	Strand	-
Start	22574	End	23282
Name	OJ990916_13.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	2128	End	2266
GI	none	Score	138
Exons	2128..2262, 2144..2266		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42163	Strand	-
Start	22574	End	23282
Name	OJ990916_13.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	2140	End	2266
GI	none	Score	124
Exons	2140..2262, 2144..2266		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42163	Strand	-
Start	22574	End	23282
Name	OJ990916_13.9C03.C4.o5.tm	Method	TBLASTX:Maize
Start	3325	End	3568
GI	none	Score	89

Exons	3325..3558, 3410..3568		
Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42163	Strand	-
Start	22574	End	23282
Name	OJ990916_13.9C03.C4.o7.tm	Method	TBLASTX:Maize
Start	3680	End	4032
GI	none	Score	136
Exons	3680..4021, 3751..4032		
Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42163	Strand	-
Start	22574	End	23282
Name	OJ990916_13.9C03.C4.o6.tm	Method	TBLASTX:Maize
Start	4237	End	4551
GI	none	Score	108
Exons	4237..4464, 4238..4456, 4477..4551		
Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42163	Strand	-
Start	22574	End	23282
Name	OJ990916_13.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	4645	End	5091
GI	none	Score	102
Exons	4645..4683, 4678..4734, 4771..5019, 4811..5020, 5005..5091		
Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42163	Strand	-
Start	22574	End	23282
Name	OJ990916_13.9C03.C4.o8.gs	Method	GENSCAN
Start	22574	End	23282
GI	none	Score	.92
Exons	22574..22939, 22977..23282		
Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42164	Strand	
Start	24837	End	25970
Name	OJ990916_13.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	24837	End	25586
GI	none	Score	349
Exons	24837..25082, 24840..25448, 25013..25096, 25143..25238, 25334..25447, 25467..25586		
Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42164	Strand	
Start	24837	End	25970
Name	OJ990916_13.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	25335	End	25832
GI	none	Score	72
Exons	25335..25454, 25475..25558, 25476..25574, 25646..25723, 25650..25832		
Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42164	Strand	
Start	24837	End	25970
Name	OJ990916_13.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	25587	End	25970

GI	none	Score	185
Exons	25587..25790, 25631..25789, 25785..25844, 25790..25843, 25854..25970, 25859..25969		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42164	Strand	
Start	24837	End	25970
Name	OJ990916_13.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	25619	End	25913
GI	none	Score	286
Exons	25619..25912, 25629..25913		

Seq. No.	20160	Seq. ID	OJ990916_13.9C03.C4
Gene No.	42165	Strand	
Start	26205	End	26534
Name	OJ990916_13.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	26205	End	26534
GI	none	Score	283
Exons	26205..26534		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42166	Strand	+
Start	1	End	7999
Name	OJ990916_13.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	2796
GI	4544372	Score	1005
Exons	1..657, 718..1109, 1219..2796		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42166	Strand	+
Start	1	End	7999
Name	OJ990916_13.9C03.C5.o3.np	Method	AAT/NAP
Start	2193	End	7999
GI	5257279	Score	124
Exons	2193..2467, 6139..6263, 7773..7999		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42166	Strand	+
Start	1	End	7999
Name	OJ990916_13.9C03.C5.o2.np	Method	AAT/NAP
Start	6433	End	6614
GI	499014	Score	203
Exons	6433..6614		
GI Descrip.	(X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi|1395188|dbj|BAA10942| (D64067) ABC-type heme transporter subunit [Oryza sativa]		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	1	End	182
GI	none	Score	71

Exons	1..165, 2..181, 3..182		
Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	2	End	314
GI	none	Score	384
Exons	2..271, 3..314, 97..312		
Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	183	End	644
GI	none	Score	517
Exons	183..644, 185..271, 332..436, 491..643		
Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	330	End	787
GI	none	Score	209
Exons	330..611, 368..436, 612..770, 656..787		
Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o4.tw	Method	TBLASTX:Wheat
Start	332	End	713
GI	none	Score	191
Exons	332..439, 333..650, 612..713		
Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	951	End	1361
GI	none	Score	152
Exons	951..1088, 953..1102, 1109..1276, 1110..1361		
Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	1125	End	1487
GI	none	Score	192
Exons	1125..1487, 1136..1201		
Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	1813	End	2193
GI	none	Score	77
Exons	1813..1971, 1969..2193		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o4.ts	Method	TBLASTX:Soybean
Start	1816	End	2214
GI	none	Score	222
Exons	1816..2214, 1941..2036		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o5.tw	Method	TBLASTX:Wheat
Start	1971	End	2337
GI	none	Score	186
Exons	1971..2216, 1972..2337		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	2374	End	2781
GI	none	Score	229
Exons	2374..2781, 2604..2780		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o3.ts	Method	TBLASTX:Soybean
Start	2557	End	2807
GI	none	Score	252
Exons	2557..2802, 2557..2724, 2559..2729, 2766..2807		

Seq. No.	20161	Seq. ID	OJ990916_13.9C03.C5
Gene No.	42167	Strand	-
Start	3155	End	4898
Name	OJ990916_13.9C03.C5.o2.gs	Method	GENSCAN
Start	3155	End	4898
GI	none	Score	.63
Exons	3155..3366, 3528..3837, 3919..4023, 4089..4148, 4225..4647, 4725..4898		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42168	Strand	+
Start	1115	End	1607
Name	OJ990916_13.9C03.C6.o1.gs	Method	GENSCAN
Start	1115	End	1607
GI	none	Score	.84
Exons	1115..1200, 1391..1607		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42169	Strand	+
Start	3401	End	4211
Name	OJ990916_13.9C03.C6.o3.gs	Method	GENSCAN
Start	3401	End	4211
GI	none	Score	.64
Exons	3401..3641, 4036..4211		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42170	Strand	+
Start	6329	End	11529
Name	OJ990916_13.9C03.C6.o4.gs	Method	GENSCAN
Start	6329	End	11529
GI	none	Score	.58
Exons	6329..6536, 7489..7752, 7842..8095, 8179..8797, 8908..9194, 10845..10960, 11046..11260, 11369..11529		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42170	Strand	+
Start	6329	End	11529
Name	OJ990916_13.9C03.C6.o1.np	Method	AAT/NAP
Start	6512	End	8769
GI	5777618	Score	317
Exons	6512..6544, 7982..8095, 8179..8769		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42171	Strand	+
Start	22525	End	29755
Name	OJ990916_13.9C03.C6.o2.np	Method	AAT/NAP
Start	22525	End	27391
GI	3420054	Score	1052
Exons	22525..23610, 25034..25303, 25436..25609, 25877..26773, 26864..27391		
GI Descrip.	(AC004680) unknown protein [Arabidopsis thaliana]		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42171	Strand	+
Start	22525	End	29755
Name	OJ990916_13.9C03.C6.o6.gs	Method	GENSCAN
Start	22525	End	29755
GI	none	Score	.77
Exons	22525..23705, 25063..25309, 25436..27289, 28368..28387, 28546..28660, 28863..29036, 29116..29298, 29406..29475, 29577..29755		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42171	Strand	+
Start	22525	End	29755
Name	OJ990916_13.9C03.C6.o1.gp	Method	AAT/GAP
Start	25193	End	25810
GI	none	Score	924
Exons	25193..25309, 25436..25810		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42171	Strand	+
Start	22525	End	29755
Name	OJ990916_13.9C03.C6.o2.gp	Method	AAT/GAP
Start	26898	End	27633
GI	8094_1.R1084	Score	1233
Exons	26898..27633		
GI Descrip.	'3420054 2.0e-09 (AC004680) unknown protein [Arabidopsis thaliana]'		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42172	Strand	-
Start	2019	End	2462
Name	OJ990916_13.9C03.C6.o2.gs	Method	GENSCAN
Start	2019	End	2462
GI	none	Score	.95
Exons	2019..2462		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o4.tm	Method	TBLASTX:Maize
Start	25469	End	25812
GI	none	Score	76
Exons	25469..25513, 25496..25669, 25496..25708, 25497..25700, 25531..25701, 25718..25810, 25722..25811, 25726..25812		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	25939	End	26437
GI	none	Score	126
Exons	25939..26052, 25943..26053, 25986..26075, 26048..26299, 26055..26291, 26067..26303, 26287..26379, 26291..26392, 26294..26386, 26378..26437		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	26296	End	27328
GI	none	Score	120
Exons	26296..26394, 26297..26419, 26435..26734, 26435..26626, 26437..26628, 26834..27328, 26836..26946, 27047..27301		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	26587	End	27402
GI	none	Score	70
Exons	26587..26646, 26588..26656, 26594..26656, 26656..26757, 26656..26757, 26657..26758, 26657..26761, 26767..26817, 26825..26947, 26836..26946, 26840..26992, 26847..26978, 27017..27142, 27021..27140, 27148..27210, 27149..27211, 27209..27325, 27211..27327, 27212..27325, 27223..27327, 27304..27399, 27341..27391, 27343..27402		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o3.gp	Method	AAT/GAP
Start	28130	End	31271
GI	561_1.R1084	Score	2191
Exons	28130..28732, 28851..28988, 29177..29254, 29385..29570, 29724..29807, 30659..30725, 31216..31271		

GI Descrip.	'1777376/dbj|BAA11397| 4.0e-21 (D78506) w-3 fatty acid desaturase [Oryza sativa]'		
Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o3.np	Method	AAT/NAP
Start	28535	End	31722
GI	1777376	Score	1798
Exons	28535..28732, 28851..28988, 29177..29254, 29385..29570, 29724..29807, 30659..30725, 31216..31305, 31418..31722		
GI Descrip.	(D78506) w-3 fatty acid desaturase [Oryza sativa]		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	28550	End	29565
GI	none	Score	120
Exons	28550..28732, 28565..28741, 28851..28991, 28852..28938, 29165..29218, 29198..29302, 29208..29273, 29380..29565, 29382..29564		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	28565	End	31683
GI	none	Score	90
Exons	28565..28732, 28656..28733, 28851..28991, 28852..28938, 29165..29218, 29198..29254, 29208..29252, 29382..29570, 29382..29570, 29392..29571, 29715..29807, 30647..30724, 30660..30725, 31215..31304, 31219..31305, 31418..31459, 31420..31491, 31420..31491, 31540..31683, 31583..31648		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	28568	End	31305
GI	none	Score	72
Exons	28568..28732, 28580..28729, 28585..28734, 28656..28733, 28851..28991, 28852..28935, 29165..29218, 29174..29218, 29198..29254, 29208..29255, 29373..29561, 29382..29564, 29383..29565, 29715..29807, 30656..30724, 30657..30725, 30661..30726, 31215..31304, 31216..31305		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	28689	End	29498
GI	none	Score	48
Exons	28689..28733, 28691..28732, 28857..28991, 28860..29000, 29165..29218, 29173..29196, 29198..29254, 29199..29261, 29382..29498		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	29709	End	31662
GI	none	Score	91
Exons	29709..29807, 30656..30724, 31215..31304, 31216..31305, 31420..31491, 31420..31491, 31540..31662, 31583..31648		

Seq. No.	20162	Seq. ID	OJ990916_13.9C03.C6
Gene No.	42173	Strand	-
Start	28130	End	31921
Name	OJ990916_13.9C03.C6.o4.gp	Method	AAT/GAP
Start	31500	End	31921
GI	3766672	Score	795
Exons	31500..31921		
GI Descrip.	1777376/dbj|BAA11397| 4.0e-21 (D78506) w-3 fatty acid desaturase [Oryza sativa]		

Seq. No.	20163	Seq. ID	OJ990916_13.9C03.C7
Gene No.	42174	Strand	+
Start	5267	End	12175
Name	OJ990916_13.9C03.C7.o2.gs	Method	GENSCAN
Start	5267	End	12175
GI	none	Score	.4
Exons	5267..5390, 5956..6139, 6314..6914, 9671..9829, 10796..10927, 10991..11132, 12065..12175		

Seq. No.	20163	Seq. ID	OJ990916_13.9C03.C7
Gene No.	42175	Strand	-
Start	6764	End	10400
Name	OJ990916_13.9C03.C7.o2.np	Method	AAT/NAP
Start	6764	End	10400
GI	6063557	Score	293
Exons	6764..6969, 9859..10006, 10230..10400		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	20163	Seq. ID	OJ990916_13.9C03.C7
Gene No.	42175	Strand	-
Start	6764	End	10400
Name	OJ990916_13.9C03.C7.o1.np	Method	AAT/NAP
Start	9035	End	9199
GI	6721512	Score	46
Exons	9035..9199		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	3785
GI	6598934	Score	986
Exons	1..200, 280..651, 757..915, 3437..3785		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+

Start	1	End	9539
Name	OJ990916_13.9C03.C8.o2.tm	Method	TBLASTX:Maize
Start	30	End	222
GI	none	Score	221
Exons	30..203, 31..222		

Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	34	End	886
GI	none	Score	47
Exons	34..66, 39..65, 67..204, 99..200, 277..369, 278..511, 539..625, 794..886		

Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o1.gs	Method	GENSCAN
Start	90	End	9113
GI	none	Score	.76
Exons	90..200, 280..651, 760..915, 3437..3734, 4349..4459, 6428..6544, 6603..6807, 7773..7861, 7970..8048, 8162..8289, 8497..8595, 8686..8794, 9034..9113		

Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	157	End	648
GI	none	Score	67
Exons	157..222, 247..642, 278..646, 559..648		

Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	278	End	649
GI	none	Score	157
Exons	278..454, 304..441, 451..648, 452..649		

Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	307	End	4033
GI	none	Score	565
Exons	307..651, 308..652, 757..915, 758..910, 3424..3546, 3434..3787, 3435..3776, 3593..3787, 3893..4033, 3959..4021		

Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o1.gp	Method	AAT/GAP
Start	621	End	3973
GI	22637_1.R1084	Score	1319
Exons	621..651, 760..915, 3437..3973		

GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o3.ts	Method	TBLASTX:Soybean
Start	782	End	3790
GI	none	Score	146
Exons	782..910, 790..915, 3447..3575, 3549..3776, 3575..3790		
Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o4.tc	Method	TBLASTX:Cress
Start	3489	End	3761
GI	none	Score	241
Exons	3489..3761, 3575..3751		
Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o3.tc	Method	TBLASTX:Cress
Start	6433	End	6800
GI	none	Score	40
Exons	6433..6495, 6597..6800, 6602..6799		
Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o2.np	Method	AAT/NAP
Start	6458	End	9539
GI	6016683	Score	1077
Exons	6458..6502, 6603..6807, 7773..7861, 7970..8048, 8162..8289, 8497..8595, 8686..8794, 9034..9113, 9197..9539		
GI Descrip.	(AC009991) putative clathrin heavy chain [Arabidopsis thaliana]		
Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	6579	End	9232
GI	none	Score	279
Exons	6579..6806, 6614..6802, 7778..7879, 7783..7878, 7960..8046, 7966..8058, 7967..8050, 8161..8289, 8161..8289, 8470..8556, 8474..8584, 8478..8591, 8489..8584, 8494..8598, 8496..8597, 8683..8757, 8739..8795, 8740..8796, 9033..9086, 9034..9087, 9067..9111, 9076..9114, 9191..9232, 9193..9231		
Seq. No.	20164	Seq. ID	OJ990916_13.9C03.C8
Gene No.	42176	Strand	+
Start	1	End	9539
Name	OJ990916_13.9C03.C8.o2.tc	Method	TBLASTX:Cress
Start	8477	End	9232
GI	none	Score	75
Exons	8477..8596, 8494..8598, 8494..8547, 8496..8597, 8683..8796, 8683..8793, 8685..8795, 9031..9114, 9033..9113, 9191..9232		

Seq. No.	20165	Seq. ID	OJ990916_12.9C27.C1
Gene No.	42177	Strand	+
Start	2328	End	2894
Name	OJ990916_12.9C27.C1.o1.gs	Method	GENSCAN
Start	2328	End	2894
GI	none	Score	.98
Exons	2328..2894		

Seq. No.	20166	Seq. ID	OJ990916_12.9C27.C2
Gene No.	42178	Strand	-
Start	853	End	892
Name	OJ990916_12.9C27.C2.o1.gs	Method	GENSCAN
Start	853	End	892
GI	none	Score	.48
Exons	853..892		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42179	Strand	+
Start	382	End	3341
Name	OJ990916_12.9C27.C4.o1.np	Method	AAT/NAP
Start	382	End	3341
GI	584892	Score	192
Exons	382..541, 706..751, 3261..3341		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) gi|629805|pir||S43516 serine carboxypeptidase I - rice gi|409580|dbj|BAA04510.1| (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42180	Strand	+
Start	12440	End	13998
Name	OJ990916_12.9C27.C4.o4.gs	Method	GENSCAN
Start	12440	End	13998
GI	none	Score	.62
Exons	12440..12567, 13006..13123, 13536..13649, 13742..13823, 13865..13998		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42181	Strand	+
Start	20258	End	36000
Name	OJ990916_12.9C27.C4.o7.gs	Method	GENSCAN
Start	20258	End	31312
GI	none	Score	.48
Exons	20258..20776, 20854..20977, 21059..21327, 21345..21464, 21783..21986, 21992..22123, 22198..22324, 23112..23296, 25181..25348, 25354..25589, 25612..25811, 25876..26078, 26570..26671, 29120..29272, 29500..29571, 29681..29802, 31192..31312		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42181	Strand	+
Start	20258	End	36000
Name	OJ990916_12.9C27.C4.o7.np	Method	AAT/NAP
Start	30750	End	35991
GI	3779026	Score	664
Exons	30750..30795, 34224..34398, 34466..35170, 35408..35991		

GI Descrip. (AC005171) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42181	Strand	+
Start	20258	End	36000
Name	OJ990916_12.9C27.C4.o5.np	Method	AAT/NAP
Start	31068	End	35979
GI	6539553	Score	2980
Exons	31068..31145, 33750..35979		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42181	Strand	+
Start	20258	End	36000
Name	OJ990916_12.9C27.C4.o4.np	Method	AAT/NAP
Start	31187	End	35979
GI	6630696	Score	3431
Exons	31187..31261, 33798..35979		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42181	Strand	+
Start	20258	End	36000
Name	OJ990916_12.9C27.C4.o8.gs	Method	GENSCAN
Start	33828	End	36000
GI	none	Score	.56
Exons	33828..34398, 34493..35266, 35348..36000		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42182	Strand	+
Start	38790	End	40048
Name	OJ990916_12.9C27.C4.o8.np	Method	AAT/NAP
Start	38790	End	40048
GI	4101707	Score	78
Exons	38790..38912, 40030..40048		

GI Descrip. (AF006080) glucose acyltransferase [Solanum berthaultii]

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42183	Strand	-
Start	3783	End	8188
Name	OJ990916_12.9C27.C4.o2.gs	Method	GENSCAN
Start	3783	End	8188
GI	none	Score	.53
Exons	3783..3957, 4048..4418, 5919..5950, 7191..7332, 8162..8188		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42184	Strand	-
Start	10786	End	31574
Name	OJ990916_12.9C27.C4.o2.np	Method	AAT/NAP
Start	10786	End	13864
GI	5852172	Score	131

Exons	10786..10917, 13775..13864		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		
Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42184	Strand	-
Start	10786	End	31574
Name	OJ990916_12.9C27.C4.o3.np	Method	AAT/NAP
Start	12965	End	31574
GI	5295955	Score	1202
Exons	12965..13066, 13095..13560, 13600..13666, 13746..14152, 14833..14947, 15490..15625, 22674..22807, 24760..24838, 25092..25224, 25425..25503, 31353..31574		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42184	Strand	-
Start	10786	End	31574
Name	OJ990916_12.9C27.C4.o5.gs	Method	GENSCAN
Start	14538	End	16371
GI	none	Score	.49
Exons	14538..14638, 14824..14947, 15422..15704, 16352..16371		
Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o1.tm	Method	TBLASTX:Maize
Start	422	End	38915
GI	none	Score	189
Exons	422..541, 426..542, 3254..3340, 3261..3344, 9603..9626, 9627..9710, 25405..25434, 25453..25521, 25458..25520, 25595..25657, 25602..25805, 25623..25805, 25676..25810, 25747..25806, 25885..26004, 25892..26005, 25899..26021, 25899..26012, 26564..26680, 26567..26671, 26569..26676, 26768..26872, 29500..29571, 29511..29570, 29672..29800, 29680..29802, 38779..38913, 38790..38915, 38791..38913		
Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o4.tw	Method	TBLASTX:Wheat
Start	18655	End	18998
GI	none	Score	50
Exons	18655..18693, 18669..18695, 18704..18883, 18705..18863, 18843..18998, 18845..18994		
Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o6.tm	Method	TBLASTX:Maize
Start	18837	End	19123
GI	none	Score	236
Exons	18837..19049, 18845..19048, 18847..19056, 19008..19121, 19049..19123		
Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-

Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o3.tm	Method	TBLASTX:Maize
Start	19629	End	19943
GI	none	Score	58
Exons	19629..19679, 19630..19680, 19637..19681, 19676..19942, 19678..19917, 19698..19943		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o5.tm	Method	TBLASTX:Maize
Start	20135	End	33983
GI	none	Score	260
Exons	20135..20569, 33792..33983		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o5.tw	Method	TBLASTX:Wheat
Start	20210	End	20404
GI	none	Score	251
Exons	20210..20404, 20213..20404		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o3.ts	Method	TBLASTX:Soybean
Start	20372	End	34169
GI	none	Score	154
Exons	20372..20581, 20372..20536, 20582..20755, 20590..20649, 33783..33992, 33842..33991, 33996..34169		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o1.tw	Method	TBLASTX:Wheat
Start	20405	End	34560
GI	none	Score	484
Exons	20405..20842, 20410..20502, 20414..20842, 20590..20862, 20829..20894, 20914..21162, 20915..21145, 20923..21162, 33826..33984, 33827..34288, 33830..34324, 33834..34370, 34041..34373, 34378..34506, 34379..34507, 34509..34556, 34510..34560		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o1.ts	Method	TBLASTX:Soybean
Start	21082	End	34944
GI	5509260	Score	178
Exons	21082..21339, 21362..21421, 21411..21527, 34528..34944, 34575..34736		
GI Descrip.	-		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915

Name	OJ990916_12.9C27.C4.o2.tc	Method	TBLASTX:Cress
Start	21175	End	34833
GI	none	Score	177
Exons	21175..21336, 34573..34833, 34575..34745		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o2.tm	Method	TBLASTX:Maize
Start	21217	End	35079
GI	none	Score	112
Exons	21217..21366, 21344..21421, 21411..21677, 34614..34745, 34615..35079, 34768..34830, 34866..34976		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o3.tw	Method	TBLASTX:Wheat
Start	21217	End	35160
GI	none	Score	99
Exons	21217..21345, 21362..21421, 21411..21533, 21579..21698, 34615..34959, 34632..34793, 34765..34830, 34954..35160		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o5.ts	Method	TBLASTX:Soybean
Start	21612	End	35352
GI	none	Score	83
Exons	21612..21698, 21762..21920, 34993..35172, 35013..35177, 35172..35345, 35173..35352		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o4.tm	Method	TBLASTX:Maize
Start	21765	End	35511
GI	none	Score	101
Exons	21765..21914, 21780..21914, 35163..35510, 35164..35511		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o6.tw	Method	TBLASTX:Wheat
Start	22195	End	36470
GI	none	Score	62
Exons	22195..22257, 22347..22412, 22351..22422, 22415..22462, 22448..22501, 36118..36189, 36119..36190, 36191..36262, 36198..36260, 36199..36261, 36261..36335, 36262..36339, 36264..36332, 36265..36336, 36366..36440, 36366..36470, 36367..36453		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o1.tc	Method	TBLASTX:Cress
Start	25227	End	26677

GI	none	Score	70
Exons	25227..25289, 25375..25521, 25611..25757, 25676..25759, 25874..26005, 25877..26005, 26564..26677		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o2.ts	Method	TBLASTX:Soybean
Start	25227	End	26677
GI	none	Score	62
Exons	25227..25286, 25375..25521, 25602..25805, 25610..25741, 25892..26005, 26567..26677		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o7.tw	Method	TBLASTX:Wheat
Start	25638	End	26665
GI	none	Score	130
Exons	25638..25805, 25647..25769, 25649..25804, 25892..26002, 25901..25996, 26564..26665		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o4.ts	Method	TBLASTX:Soybean
Start	35356	End	35730
GI	none	Score	116
Exons	35356..35487, 35362..35454, 35505..35651, 35506..35730		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o2.tw	Method	TBLASTX:Wheat
Start	35368	End	35843
GI	none	Score	107
Exons	35368..35442, 35369..35437, 35373..35456, 35373..35441, 35457..35843, 35458..35841		

Seq. No.	20167	Seq. ID	OJ990916_12.9C27.C4
Gene No.	42185	Strand	-
Start	37155	End	38915
Name	OJ990916_12.9C27.C4.o9.gs	Method	GENSCAN
Start	37155	End	37990
GI	none	Score	.78
Exons	37155..37282, 37854..37990		

Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42186	Strand	+
Start	1388	End	2753
Name	OJ990916_12.9C27.C5.o1.gs	Method	GENSCAN
Start	1388	End	2753
GI	none	Score	.5
Exons	1388..1480, 2120..2369, 2680..2753		

Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42187	Strand	+

Start	11771	End	13783
Name	OJ990916_12.9C27.C5.o5.gs	Method	GENSCAN
Start	11771	End	13783
GI	none	Score	.86
Exons	11771..11913, 12009..12154, 12244..12603, 12757..12794, 13712..13783		

Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42188	Strand	-
Start	4228	End	6392
Name	OJ990916_12.9C27.C5.o2.gs	Method	GENSCAN
Start	4228	End	6392
GI	none	Score	.63
Exons	4228..4301, 5045..5175, 6334..6392		

Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42189	Strand	-
Start	7539	End	8348
Name	OJ990916_12.9C27.C5.o3.gs	Method	GENSCAN
Start	7539	End	8348
GI	none	Score	.97
Exons	7539..7947, 8035..8194, 8279..8348		

Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42190	Strand	-
Start	15534	End	17204
Name	OJ990916_12.9C27.C5.o6.gs	Method	GENSCAN
Start	15534	End	17204
GI	none	Score	.57
Exons	15534..15593, 16128..16309, 17066..17204		

Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42191	Strand	-
Start	18283	End	18956
Name	OJ990916_12.9C27.C5.o2.tm	Method	TBLASTX:Maize
Start	6142	End	15188
GI	none	Score	118
Exons	6142..6228, 6144..6224, 12040..12069, 12087..12155, 12088..12156, 12242..12436, 12243..12443, 12481..12639, 12497..12643, 12533..12655, 14880..14993, 14898..15002, 14900..15007, 15099..15188, 15101..15148		

Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42191	Strand	-
Start	18283	End	18956
Name	OJ990916_12.9C27.C5.o1.tc	Method	TBLASTX:Cress
Start	11861	End	15002
GI	none	Score	51
Exons	11861..11920, 12004..12156, 12243..12443, 12533..12640, 14898..15002		

Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42191	Strand	-
Start	18283	End	18956
Name	OJ990916_12.9C27.C5.o2.ts	Method	TBLASTX:Soybean
Start	11861	End	15002
GI	none	Score	51

Exons	11861..11920, 12004..12156, 12084..12155, 12242..12373, 12243..12443, 12520..12612, 12533..12643, 14898..15002		
Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42191	Strand	-
Start	18283	End	18956
Name	OJ990916_12.9C27.C5.o1.tw	Method	TBLASTX:Wheat
Start	12269	End	14996
GI	none	Score	145
Exons	12269..12421, 12270..12443, 12533..12637, 12536..12634, 14898..14996		
Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42191	Strand	-
Start	18283	End	18956
Name	OJ990916_12.9C27.C5.o1.ts	Method	TBLASTX:Soybean
Start	18271	End	18939
GI	none	Score	213
Exons	18271..18531, 18607..18939		
Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42191	Strand	-
Start	18283	End	18956
Name	OJ990916_12.9C27.C5.o1.np	Method	AAT/NAP
Start	18283	End	18956
GI	6630685	Score	666
Exons	18283..18956		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42191	Strand	-
Start	18283	End	18956
Name	OJ990916_12.9C27.C5.o1.tm	Method	TBLASTX:Maize
Start	18301	End	18954
GI	none	Score	356
Exons	18301..18954, 18311..18949		
Seq. No.	20168	Seq. ID	OJ990916_12.9C27.C5
Gene No.	42191	Strand	-
Start	18283	End	18956
Name	OJ990916_12.9C27.C5.o2.tw	Method	TBLASTX:Wheat
Start	18346	End	18801
GI	none	Score	82
Exons	18346..18537, 18346..18522, 18604..18801		
Seq. No.	20169	Seq. ID	OJ990916_12.9C27.C6
Gene No.	42192	Strand	-
Start	1	End	1191
Name	OJ990916_12.9C27.C6.o1.np	Method	AAT/NAP
Start	1	End	1191
GI	3777527	Score	732
Exons	1..815, 972..1191		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		
Seq. No.	20169	Seq. ID	OJ990916_12.9C27.C6
Gene No.	42192	Strand	-

Start	1	End	1191
Name	OJ990916_12.9C27.C6.o1.tm	Method	TBLASTX:Maize
Start	36	End	409
GI	none	Score	55
Exons	36..107, 37..111, 109..408, 110..409		

Seq. No.	20169	Seq. ID	OJ990916_12.9C27.C6
Gene No.	42192	Strand	-
Start	1	End	1191
Name	OJ990916_12.9C27.C6.o1.ts	Method	TBLASTX:Soybean
Start	71	End	612
GI	5509260	Score	300
Exons	71..334, 109..612, 110..595		
GI Descrip.	-		

Seq. No.	20169	Seq. ID	OJ990916_12.9C27.C6
Gene No.	42192	Strand	-
Start	1	End	1191
Name	OJ990916_12.9C27.C6.o1.tw	Method	TBLASTX:Wheat
Start	109	End	534
GI	none	Score	117
Exons	109..486, 113..265, 287..424, 466..534, 472..534		

Seq. No.	20169	Seq. ID	OJ990916_12.9C27.C6
Gene No.	42192	Strand	-
Start	1	End	1191
Name	OJ990916_12.9C27.C6.o1.tc	Method	TBLASTX:Cress
Start	190	End	451
GI	none	Score	105
Exons	190..450, 191..451		

Seq. No.	20170	Seq. ID	OJ990916_12.9C27.C7
Gene No.	42193	Strand	+
Start	452	End	1291
Name	OJ990916_12.9C27.C7.o1.gs	Method	GENSCAN
Start	452	End	1228
GI	none	Score	.7
Exons	452..575, 762..825, 854..1228		

Seq. No.	20170	Seq. ID	OJ990916_12.9C27.C7
Gene No.	42193	Strand	+
Start	452	End	1291
Name	OJ990916_12.9C27.C7.o1.np	Method	AAT/NAP
Start	776	End	1291
GI	4335731	Score	137
Exons	776..1291		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20170	Seq. ID	OJ990916_12.9C27.C7
Gene No.	42194	Strand	-
Start	1	End	99
Name	OJ990916_12.9C27.C7.o1.gp	Method	AAT/GAP
Start	1	End	99
GI	none	Score	166
Exons	1..99		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42195	Strand	+
Start	7100	End	7462
Name	OJ990916_12.9C27.C8.o1.gp	Method	AAT/GAP
Start	7100	End	7462
GI	none	Score	579
Exons	7100..7462		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42196	Strand	+
Start	9469	End	10603
Name	OJ990916_12.9C27.C8.o2.gs	Method	GENSCAN
Start	9469	End	10603
GI	none	Score	.73
Exons	9469..9643, 9744..9896, 10045..10342, 10369..10603		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42197	Strand	-
Start	445	End	4993
Name	OJ990916_12.9C27.C8.o1.np	Method	AAT/NAP
Start	415	End	4993
GI	4680179	Score	4208
Exons	415..3824, 3876..4993		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42197	Strand	-
Start	445	End	4993
Name	OJ990916_12.9C27.C8.o1.gs	Method	GENSCAN
Start	445	End	4964
GI	none	Score	.43
Exons	445..3858, 3876..4964		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42198	Strand	-
Start	8782	End	10360
Name	OJ990916_12.9C27.C8.o2.gp	Method	AAT/GAP
Start	8782	End	10360
GI	none	Score	906
Exons	8782..8848, 9753..9854, 9933..10179, 10266..10360		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o6.tw	Method	TBLASTX:Wheat
Start	454	End	790
GI	none	Score	73
Exons	454..789, 475..618, 590..790		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o1.tm	Method	TBLASTX:Maize
Start	643	End	1237
GI	none	Score	236
Exons	643..1077, 653..1063, 793..1089, 1071..1226, 1075..1236, 1078..1227, 1094..1237		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o1.tw	Method	TBLASTX:Wheat
Start	790	End	1416
GI	none	Score	157
Exons	790..1416, 791..1057, 793..1296, 1094..1414		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o4.tm	Method	TBLASTX:Maize
Start	1285	End	1576
GI	none	Score	230
Exons	1285..1575, 1289..1576		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o2.ts	Method	TBLASTX:Soybean
Start	1375	End	1635
GI	none	Score	130
Exons	1375..1635, 1384..1572		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o4.tw	Method	TBLASTX:Wheat
Start	1423	End	1902
GI	none	Score	196
Exons	1423..1902, 1427..1705		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o2.tw	Method	TBLASTX:Wheat
Start	1906	End	2415
GI	none	Score	306
Exons	1906..2415, 1979..2374		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o2.tm	Method	TBLASTX:Maize
Start	1988	End	2344
GI	none	Score	214
Exons	1988..2344, 1990..2343		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o3.ts	Method	TBLASTX:Soybean
Start	2164	End	2406
GI	none	Score	210
Exons	2164..2406		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o5.tm	Method	TBLASTX:Maize
Start	2350	End	2697
GI	none	Score	85
Exons	2350..2697, 2417..2665		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o5.tw	Method	TBLASTX:Wheat
Start	2417	End	2718
GI	none	Score	208
Exons	2417..2674, 2419..2718, 2619..2717		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o1.ts	Method	TBLASTX:Soybean
Start	2431	End	2826
GI	none	Score	193
Exons	2431..2790, 2432..2725, 2794..2826		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o3.tm	Method	TBLASTX:Maize
Start	2713	End	3180
GI	none	Score	74
Exons	2713..3180, 3002..3169		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o3.tw	Method	TBLASTX:Wheat
Start	2767	End	3249
GI	none	Score	298
Exons	2767..3249, 2795..3181, 2833..3216		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o1.tc	Method	TBLASTX:Cress
Start	2803	End	3120
GI	none	Score	187
Exons	2803..3120		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o6.tm	Method	TBLASTX:Maize
Start	3184	End	3339
GI	none	Score	142
Exons	3184..3339, 3200..3337		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8

Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o8.tw	Method	TBLASTX:Wheat
Start	3379	End	3798
GI	none	Score	86
Exons	3379..3564, 3431..3538, 3577..3798, 3649..3711, 3674..3781		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o7.tw	Method	TBLASTX:Wheat
Start	4359	End	4715
GI	none	Score	138
Exons	4359..4715, 4398..4688		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o3.gs	Method	GENSCAN
Start	11360	End	16258
GI	none	Score	.54
Exons	11360..11424, 11559..13467, 13541..13863, 14515..14743, 16214..16258		

Seq. No.	20171	Seq. ID	OJ990916_12.9C27.C8
Gene No.	42199	Strand	-
Start	11360	End	16258
Name	OJ990916_12.9C27.C8.o2.np	Method	AAT/NAP
Start	12101	End	13890
GI	6539588	Score	245
Exons	12101..12121, 13529..13709, 13770..13890		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20172	Seq. ID	OJ990916_12.9C27.C9
Gene No.	42200	Strand	-
Start	35	End	168
Name	OJ990916_12.9C27.C9.o1.gs	Method	GENSCAN
Start	35	End	168
GI	none	Score	.52
Exons	35..168		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42201	Strand	+
Start	1644	End	9922
Name	OJ990916_12.9C27.C10.o1.gs	Method	GENSCAN
Start	1644	End	9922
GI	none	Score	.62
Exons	1644..1666, 2445..2537, 3364..3412, 3454..3632, 6379..6438, 8204..8362, 8421..8558, 8766..8793, 9458..9922		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42201	Strand	+
Start	1644	End	9922
Name	OJ990916_12.9C27.C10.o1.np	Method	AAT/NAP
Start	2618	End	6675
GI	6815097	Score	278
Exons	2618..3178, 3519..3749, 6628..6675		

GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42201	Strand	+
Start	1644	End	9922
Name	OJ990916_12.9C27.C10.o2.np	Method	AAT/NAP
Start	3874	End	4195
GI	4544372	Score	84
Exons	3874..4195		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42201	Strand	+
Start	1644	End	9922
Name	OJ990916_12.9C27.C10.o1.gp	Method	AAT/GAP
Start	4317	End	4420
GI	69953_1.R1084	Score	118
Exons	4317..4420		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42202	Strand	+
Start	16635	End	25985
Name	OJ990916_12.9C27.C10.o4.np	Method	AAT/NAP
Start	16635	End	25985
GI	6729015	Score	71
Exons	16635..16734, 21202..21304, 25945..25985		
GI Descrip.	(AC009177) putative cyclin-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42202	Strand	+
Start	16635	End	25985
Name	OJ990916_12.9C27.C10.o3.gp	Method	AAT/GAP
Start	17537	End	17810
GI	uC-osflcyp053f07a1	Score	342
Exons	17537..17810		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42202	Strand	+
Start	16635	End	25985
Name	OJ990916_12.9C27.C10.o4.gs	Method	GENSCAN
Start	22926	End	25402
GI	none	Score	.81
Exons	22926..23164, 23256..23401, 23484..23686, 23803..23905, 24297..24370, 24616..24699, 25328..25402		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42202	Strand	+
Start	16635	End	25985
Name	OJ990916_12.9C27.C10.o5.np	Method	AAT/NAP
Start	22965	End	25985

GI	6598855	Score	381
Exons	22965..23122, 23256..23401, 23484..23686, 23803..23939, 24265..24370, 25913..25985		
GI Descrip.	(AC010556) putative serine carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42202	Strand	+
Start	16635	End	25985
Name	OJ990916_12.9C27.C10.o4.gp	Method	AAT/GAP
Start	23005	End	23541
GI	uC-osflm202108g12b1	Score	528
Exons	23005..23122, 23256..23401, 23484..23541		
GI Descrip.	'1070494/pir||CPBHS 2.0e-18 serine-type carboxypeptidase (EC 3.4.16.1) precursor - barley'		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42203	Strand	-
Start	11835	End	11898
Name	OJ990916_12.9C27.C10.o2.gp	Method	AAT/GAP
Start	11835	End	11898
GI	4715947	Score	76
Exons	11835..11898		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42204	Strand	-
Start	14656	End	20814
Name	OJ990916_12.9C27.C10.o3.np	Method	AAT/NAP
Start	14656	End	20814
GI	5091513	Score	1387
Exons	14656..14897, 15143..15217, 15872..16998, 17749..18505, 20782..20814		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42205	Strand	-
Start	25586	End	25985
Name	OJ990916_12.9C27.C10.o1.tm	Method	TBLASTX:Maize
Start	992	End	24708
GI	none	Score	171
Exons	992..1132, 1012..1134, 1016..1132, 1196..1240, 5756..5830, 5757..5837, 23287..23316, 23334..23402, 23335..23403, 23338..23403, 23483..23518, 23493..23594, 23521..23679, 23522..23686, 23793..23930, 23803..23907, 24266..24370, 24268..24366, 24613..24708		

Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42205	Strand	-
Start	25586	End	25985
Name	OJ990916_12.9C27.C10.o1.tc	Method	TBLASTX:Cress
Start	23069	End	24370
GI	none	Score	172

Exons	23069..23128, 23236..23352, 23257..23448, 23322..23402, 23503..23616, 23507..23686, 23803..23907, 24266..24370		
Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42205	Strand	-
Start	25586	End	25985
Name	OJ990916_12.9C27.C10.o1.ts	Method	TBLASTX:Soybean
Start	23257	End	24370
GI	none	Score	166
Exons	23257..23403, 23525..23686, 23803..23907, 24266..24370		
Seq. No.	20173	Seq. ID	OJ990916_12.9C27.C10
Gene No.	42205	Strand	-
Start	25586	End	25985
Name	OJ990916_12.9C27.C10.o5.gp	Method	AAT/GAP
Start	25586	End	25985
GI	none	Score	414
Exons	25586..25822, 25959..25985		
Seq. No.	20174	Seq. ID	OJ990916_12.9C27.C11
Gene No.	42206	Strand	-
Start	81	End	604
Name	OJ990916_12.9C27.C11.o1.gp	Method	AAT/GAP
Start	81	End	269
GI	none	Score	349
Exons	81..269		
Seq. No.	20174	Seq. ID	OJ990916_12.9C27.C11
Gene No.	42206	Strand	-
Start	81	End	604
Name	OJ990916_12.9C27.C11.o1.gs	Method	GENSCAN
Start	115	End	604
GI	none	Score	.43
Exons	115..273, 563..604		
Seq. No.	20174	Seq. ID	OJ990916_12.9C27.C11
Gene No.	42207	Strand	-
Start	1414	End	6472
Name	OJ990916_12.9C27.C11.o2.gs	Method	GENSCAN
Start	1414	End	6472
GI	none	Score	.58
Exons	1414..1560, 1574..1720, 3726..3890, 4234..4447, 4572..4673, 4911..5000, 6456..6472		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o1.gs	Method	GENSCAN
Start	1186	End	5736
GI	none	Score	.95
Exons	1186..5736		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o1.np	Method	AAT/NAP
Start	1186	End	5733

GI	4680179	Score	6764
Exons	1186..5733		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o7.tw	Method	TBLASTX:Wheat
Start	1399	End	1779
GI	none	Score	304
Exons	1399..1779, 1419..1778		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o6.tm	Method	TBLASTX:Maize
Start	1660	End	1992
GI	none	Score	226
Exons	1660..1992, 1683..1847		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o8.tw	Method	TBLASTX:Wheat
Start	2320	End	2721
GI	none	Score	150
Exons	2320..2544, 2334..2486, 2548..2721, 2581..2640, 2622..2690		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o8.tm	Method	TBLASTX:Maize
Start	2358	End	2634
GI	none	Score	195
Exons	2358..2459, 2359..2634		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o4.tw	Method	TBLASTX:Wheat
Start	2896	End	3378
GI	none	Score	546
Exons	2896..3378, 3000..3335		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o5.tm	Method	TBLASTX:Maize
Start	2908	End	3197
GI	none	Score	322
Exons	2908..3195, 3006..3197		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o4.ts	Method	TBLASTX:Soybean
Start	2932	End	3246

GI	none	Score	183
Exons	2932..3246		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	3265	End	3765
GI	none	Score	157
Exons	3265..3444, 3430..3765, 3516..3647, 3672..3719		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	3319	End	3714
GI	none	Score	57
Exons	3319..3351, 3321..3347, 3355..3714, 3362..3502, 3367..3684, 3447..3713		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o5.tw	Method	TBLASTX:Wheat
Start	3427	End	3729
GI	none	Score	396
Exons	3427..3729, 3428..3505, 3430..3720, 3456..3728		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	3730	End	4239
GI	none	Score	619
Exons	3730..4239, 3738..4148, 3772..4152		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	3736	End	3981
GI	none	Score	209
Exons	3736..3981		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	3802	End	4165
GI	none	Score	477
Exons	3802..4155, 3804..4148, 3842..4165		
Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o3.tw	Method	TBLASTX:Wheat
Start	4243	End	4722

GI	none	Score	587
Exons	4243..4722, 4276..4686, 4467..4721		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	4429	End	4746
GI	none	Score	90
Exons	4429..4602, 4603..4746, 4605..4745		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	4510	End	4770
GI	none	Score	300
Exons	4510..4770, 4515..4769		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	4569	End	4860
GI	none	Score	390
Exons	4569..4856, 4570..4860		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	4729	End	5355
GI	none	Score	729
Exons	4729..5355, 4731..5354		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	4909	End	5496
GI	none	Score	226
Exons	4909..5070, 4915..5061, 4917..5063, 5068..5496, 5073..5165, 5235..5495		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o6.tw	Method	TBLASTX:Wheat
Start	5355	End	5688
GI	none	Score	366
Exons	5355..5687, 5356..5688		

Seq. No.	20175	Seq. ID	OJ990326_04.9C10.C2
Gene No.	42208	Strand	+
Start	1186	End	5736
Name	OJ990326_04.9C10.C2.o7.tm	Method	TBLASTX:Maize
Start	5497	End	5709

GI	none	Score	206
Exons	5497..5709		

Seq. No.	20176	Seq. ID	OJ990326_04.9C10.C4
Gene No.	42209	Strand	-
Start	107	End	475
Name	OJ990326_04.9C10.C4.o1.gs	Method	GENSCAN
Start	107	End	475
GI	none	Score	.65
Exons	107..250, 308..475		

Seq. No.	20177	Seq. ID	OJ990326_04.9C10.C5
Gene No.	42210	Strand	-
Start	1	End	581
Name	OJ990326_04.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	581
GI	5295955	Score	236
Exons	1..581		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	20178	Seq. ID	OJ990326_04.9C10.C6
Gene No.	42211	Strand	-
Start	258	End	425
Name	OJ990326_04.9C10.C6.o1.gs	Method	GENSCAN
Start	258	End	425
GI	none	Score	.96
Exons	258..425		

Seq. No.	20179	Seq. ID	OJ990326_04.9C10.C8
Gene No.	42212	Strand	+
Start	1	End	623
Name	OJ990326_04.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	623
GI	6498441	Score	852
Exons	1..248, 342..623		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20179	Seq. ID	OJ990326_04.9C10.C8
Gene No.	42212	Strand	+
Start	1	End	623
Name	OJ990326_04.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	5	End	614
GI	none	Score	84
Exons	5..103, 6..314, 17..295, 488..610, 489..614		

Seq. No.	20179	Seq. ID	OJ990326_04.9C10.C8
Gene No.	42212	Strand	+
Start	1	End	623
Name	OJ990326_04.9C10.C8.o1.gs	Method	GENSCAN
Start	18	End	609
GI	none	Score	.94
Exons	18..170, 180..609		

Seq. No.	20179	Seq. ID	OJ990326_04.9C10.C8

Gene No.	42212	Strand	+
Start	1	End	623
Name	OJ990326_04.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	483	End	623
GI	none	Score	176
Exons	483..623, 488..622		

Seq. No.	20180	Seq. ID	OJ990326_04.9C10.C10
Gene No.	42213	Strand	+
Start	1	End	214
Name	OJ990326_04.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	214
GI	4008010	Score	157
Exons	1..214		
GI Descrip.	(AF084036) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	20180	Seq. ID	OJ990326_04.9C10.C10
Gene No.	42214	Strand	+
Start	243	End	315
Name	OJ990326_04.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	217
GI	none	Score	231
Exons	1..138, 2..217, 5..217		

Seq. No.	20180	Seq. ID	OJ990326_04.9C10.C10
Gene No.	42214	Strand	+
Start	243	End	315
Name	OJ990326_04.9C10.C10.o1.gs	Method	GENSCAN
Start	243	End	315
GI	none	Score	.91
Exons	243..315		

Seq. No.	20181	Seq. ID	OJ990326_04.9C10.C11
Gene No.	42215	Strand	+
Start	243	End	1061
Name	OJ990326_04.9C10.C11.o1.np	Method	AAT/NAP
Start	243	End	1061
GI	6907089	Score	1003
Exons	243..297, 373..1061		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20181	Seq. ID	OJ990326_04.9C10.C11
Gene No.	42215	Strand	+
Start	243	End	1061
Name	OJ990326_04.9C10.C11.o1.gs	Method	GENSCAN
Start	543	End	1039
GI	none	Score	.4
Exons	543..1039		

Seq. No.	20182	Seq. ID	OJ990326_04.9C10.C12
Gene No.	42216	Strand	+
Start	1	End	547
Name	OJ990326_04.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	547
GI	5803259	Score	488
Exons	1..547		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	20183	Seq. ID	OJ990326_04.9C10.C14
Gene No.	42217	Strand	+
Start	2856	End	5969
Name	OJ990326_04.9C10.C14.o1.np	Method	AAT/NAP
Start	2844	End	5872
GI	6689826	Score	570
Exons	2844..2978, 3319..3485, 3739..3939, 4804..4963, 5373..5607, 5711..5872		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	20183	Seq. ID	OJ990326_04.9C10.C14
Gene No.	42217	Strand	+
Start	2856	End	5969
Name	OJ990326_04.9C10.C14.o2.gs	Method	GENSCAN
Start	2856	End	5969
GI	none	Score	.92
Exons	2856..2978, 3267..3485, 3739..3939, 4804..4963, 5373..5610, 5711..5969		

Seq. No.	20183	Seq. ID	OJ990326_04.9C10.C14
Gene No.	42218	Strand	-
Start	7437	End	7608
Name	OJ990326_04.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	2843	End	3816
GI	none	Score	95
Exons	2843..2926, 2844..2930, 2930..2986, 2932..2982, 3311..3529, 3318..3485, 3736..3816		

Seq. No.	20183	Seq. ID	OJ990326_04.9C10.C14
Gene No.	42218	Strand	-
Start	7437	End	7608
Name	OJ990326_04.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	2888	End	3852
GI	none	Score	53
Exons	2888..2929, 2889..2930, 2929..2982, 2930..2983, 3311..3493, 3318..3461, 3696..3851, 3736..3849, 3736..3852		

Seq. No.	20183	Seq. ID	OJ990326_04.9C10.C14
Gene No.	42218	Strand	-
Start	7437	End	7608
Name	OJ990326_04.9C10.C14.o3.gs	Method	GENSCAN
Start	7437	End	7608
GI	none	Score	.99
Exons	7437..7608		

Seq. No.	20184	Seq. ID	OJ990326_04.9C10.C15
Gene No.	42219	Strand	+
Start	769	End	2828
Name	OJ990326_04.9C10.C15.o1.gp	Method	AAT/GAP
Start	769	End	1762
GI	17023_1.R1084	Score	861
Exons	769..1014, 1381..1547, 1661..1762		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	20184	Seq. ID	OJ990326_04.9C10.C15

Gene No.	42219	Strand	+
Start	769	End	2828
Name	OJ990326_04.9C10.C15.o1.np	Method	AAT/NAP
Start	867	End	2828
GI	1706376	Score	280
Exons	867..1014, 1381..1547, 1661..1861, 2408..2582, 2766..2828		
GI Descrip.	DIHYDROFLAVONOL-4-REDUCTASE (DFR) (DIHYDROKAEMPFEROL 4-REDUCTASE) gi|505560|emb|CAA56160| (X79723) dfrA [Petunia x hybrida]		

Seq. No.	20184	Seq. ID	OJ990326_04.9C10.C15
Gene No.	42219	Strand	+
Start	769	End	2828
Name	OJ990326_04.9C10.C15.o1.tc	Method	TBLASTX:Cress
Start	885	End	1789
GI	none	Score	84
Exons	885..1013, 1392..1547, 1658..1789		

Seq. No.	20184	Seq. ID	OJ990326_04.9C10.C15
Gene No.	42219	Strand	+
Start	769	End	2828
Name	OJ990326_04.9C10.C15.o1.gs	Method	GENSCAN
Start	894	End	2567
GI	none	Score	.88
Exons	894..1014, 1381..1547, 1661..1861, 2408..2567		

Seq. No.	20184	Seq. ID	OJ990326_04.9C10.C15
Gene No.	42219	Strand	+
Start	769	End	2828
Name	OJ990326_04.9C10.C15.o1.tw	Method	TBLASTX:Wheat
Start	926	End	1773
GI	none	Score	128
Exons	926..1012, 927..1013, 932..1018, 1350..1529, 1373..1555, 1380..1523, 1381..1539, 1658..1771, 1678..1773, 1690..1773		

Seq. No.	20184	Seq. ID	OJ990326_04.9C10.C15
Gene No.	42219	Strand	+
Start	769	End	2828
Name	OJ990326_04.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	1422	End	1798
GI	none	Score	177
Exons	1422..1547, 1422..1547, 1658..1798, 1660..1779		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42220	Strand	+
Start	1	End	6580
Name	OJ990326_04.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	493
GI	4508073	Score	203
Exons	1..246, 346..493		
GI Descrip.	(AC005882) 43220 [Arabidopsis thaliana]		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42220	Strand	+
Start	1	End	6580
Name	OJ990326_04.9C10.C16.o1.gs	Method	GENSCAN
Start	14	End	6203

GI	none	Score	.96
Exons	14..249, 346..459, 1141..1265, 3233..3418, 3860..4026, 4203..4406, 4535..4694, 4851..5064, 5179..5292, 5472..5493, 6069..6203		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42220	Strand	+
Start	1	End	6580
Name	OJ990326_04.9C10.C16.o2.np	Method	AAT/NAP
Start	3301	End	6580
GI	5732928	Score	430
Exons	3301..3418, 3860..4026, 4203..4406, 4535..4706, 4881..5054, 5172..5292, 6539..6580		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42220	Strand	+
Start	1	End	6580
Name	OJ990326_04.9C10.C16.o1.gp	Method	AAT/GAP
Start	4957	End	5315
GI	2797550	Score	444
Exons	4957..5064, 5179..5315		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o2.ts	Method	TBLASTX:Soybean
Start	44	End	5257
GI	none	Score	80
Exons	44..109, 46..108, 158..247, 347..424, 4892..5065, 4894..5061, 5180..5257, 5182..5256		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o3.tm	Method	TBLASTX:Maize
Start	3312	End	4280
GI	none	Score	165
Exons	3312..3425, 3313..3426, 3838..4026, 3843..4028, 3859..4026, 3860..4027, 4200..4280, 4205..4279		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o5.tw	Method	TBLASTX:Wheat
Start	3330	End	4318
GI	none	Score	126
Exons	3330..3422, 3331..3423, 3859..4023, 3859..4008, 4169..4207, 4200..4313, 4200..4313, 4211..4318		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o2.gs	Method	GENSCAN
Start	7038	End	11666
GI	none	Score	.58

Exons	7038..7094, 7454..7558, 7615..8276, 8297..9439, 9457..9979, 10058..10240, 10259..11666		
Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o3.np	Method	AAT/NAP
Start	8138	End	11743
GI	6498441	Score	3978
Exons	8138..9201, 9531..9994, 10058..10431, 10615..10749, 10924..11350, 11543..11743		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o4.tw	Method	TBLASTX:Wheat
Start	8286	End	8678
GI	none	Score	58
Exons	8286..8333, 8340..8438, 8345..8437, 8405..8644, 8421..8678		
Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o4.tm	Method	TBLASTX:Maize
Start	8291	End	8576
GI	none	Score	196
Exons	8291..8575, 8328..8576		
Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o3.tw	Method	TBLASTX:Wheat
Start	9416	End	9874
GI	none	Score	63
Exons	9416..9493, 9417..9500, 9497..9874, 9610..9870		
Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	10065	End	10528
GI	none	Score	202
Exons	10065..10508, 10066..10521, 10067..10528, 10067..10522		
Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o3.ts	Method	TBLASTX:Soybean
Start	10106	End	10471
GI	none	Score	111
Exons	10106..10330, 10337..10471		
Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+

Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	10196	End	10552
GI	none	Score	383
Exons	10196..10552, 10231..10542, 10247..10552		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	10579	End	10963
GI	none	Score	357
Exons	10579..10944, 10580..10963		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o2.tw	Method	TBLASTX:Wheat
Start	10636	End	11056
GI	none	Score	491
Exons	10636..11049, 10637..11056		

Seq. No.	20185	Seq. ID	OJ990326_04.9C10.C16
Gene No.	42221	Strand	+
Start	7038	End	11743
Name	OJ990326_04.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	10715	End	11086
GI	none	Score	277
Exons	10715..11086, 10732..10875		

Seq. No.	20186	Seq. ID	OJ990326_04.9C10.C17
Gene No.	42222	Strand	+
Start	138	End	1426
Name	OJ990326_04.9C10.C17.o2.tw	Method	TBLASTX:Wheat
Start	7	End	438
GI	none	Score	102
Exons	7..84, 24..89, 121..438, 142..342, 147..413		

Seq. No.	20186	Seq. ID	OJ990326_04.9C10.C17
Gene No.	42222	Strand	+
Start	138	End	1426
Name	OJ990326_04.9C10.C17.o1.np	Method	AAT/NAP
Start	138	End	1426
GI	6498441	Score	2078
Exons	138..1426		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20186	Seq. ID	OJ990326_04.9C10.C17
Gene No.	42222	Strand	+
Start	138	End	1426
Name	OJ990326_04.9C10.C17.o1.gs	Method	GENSCAN
Start	154	End	1334
GI	none	Score	.87
Exons	154..1334		

Seq. No.	20186	Seq. ID	OJ990326_04.9C10.C17
Gene No.	42222	Strand	+
Start	138	End	1426
Name	OJ990326_04.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	793	End	1155
GI	none	Score	354
Exons	793..1116, 822..1103, 1108..1155		

Seq. No.	20186	Seq. ID	OJ990326_04.9C10.C17
Gene No.	42222	Strand	+
Start	138	End	1426
Name	OJ990326_04.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	930	End	1311
GI	none	Score	375
Exons	930..986, 931..1311, 931..1272, 1032..1280		

Seq. No.	20187	Seq. ID	OJ990326_04.9C10.C18
Gene No.	42223	Strand	+
Start	1	End	617
Name	OJ990326_04.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	596
GI	6498441	Score	693
Exons	1..221, 315..596		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20187	Seq. ID	OJ990326_04.9C10.C18
Gene No.	42223	Strand	+
Start	1	End	617
Name	OJ990326_04.9C10.C18.o1.gs	Method	GENSCAN
Start	153	End	617
GI	none	Score	.45
Exons	153..617		

Seq. No.	20187	Seq. ID	OJ990326_04.9C10.C18
Gene No.	42224	Strand	-
Start	1238	End	1926
Name	OJ990326_04.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	65	End	587
GI	none	Score	168
Exons	65..268, 66..287, 357..431, 461..583, 462..587		

Seq. No.	20187	Seq. ID	OJ990326_04.9C10.C18
Gene No.	42224	Strand	-
Start	1238	End	1926
Name	OJ990326_04.9C10.C18.o2.gs	Method	GENSCAN
Start	1238	End	1782
GI	none	Score	.67
Exons	1238..1782		

Seq. No.	20187	Seq. ID	OJ990326_04.9C10.C18
Gene No.	42224	Strand	-
Start	1238	End	1926
Name	OJ990326_04.9C10.C18.o2.np	Method	AAT/NAP
Start	1241	End	1926
GI	5803259	Score	955

Exons	1241..1926		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	20188	Seq. ID	OJ990326_04.9C10.C19
Gene No.	42225	Strand	-
Start	1	End	1623
Name	OJ990326_04.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	1623
GI	5803259	Score	2266
Exons	1..904, 1002..1623		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	20188	Seq. ID	OJ990326_04.9C10.C19
Gene No.	42225	Strand	-
Start	1	End	1623
Name	OJ990326_04.9C10.C19.o1.gs	Method	GENSCAN
Start	28	End	1617
GI	none	Score	.94
Exons	28..904, 1002..1111, 1159..1617		
Seq. No.	20189	Seq. ID	OJ990326_04.9C10.C20
Gene No.	42226	Strand	+
Start	5488	End	7849
Name	OJ990326_04.9C10.C20.o1.np	Method	AAT/NAP
Start	5488	End	7849
GI	5852180	Score	673
Exons	5488..5541, 6525..6642, 6694..7106, 7809..7849		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	20189	Seq. ID	OJ990326_04.9C10.C20
Gene No.	42227	Strand	-
Start	207	End	1879
Name	OJ990326_04.9C10.C20.o1.gs	Method	GENSCAN
Start	207	End	1879
GI	none	Score	.89
Exons	207..288, 772..890, 1297..1433, 1756..1879		
Seq. No.	20189	Seq. ID	OJ990326_04.9C10.C20
Gene No.	42228	Strand	-
Start	2879	End	4012
Name	OJ990326_04.9C10.C20.o2.gs	Method	GENSCAN
Start	2879	End	4012
GI	none	Score	.98
Exons	2879..4012		
Seq. No.	20189	Seq. ID	OJ990326_04.9C10.C20
Gene No.	42229	Strand	-
Start	5390	End	5773
Name	OJ990326_04.9C10.C20.o1.gp	Method	AAT/GAP
Start	5390	End	5773
GI	uC-osf1cyp033a04b1	Score	669
Exons	5390..5773		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	20190	Seq. ID	OJ990326_04.9C10.C21
Gene No.	42230	Strand	-

Start	1	End	448
Name	OJ990326_04.9C10.C21.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6539586	Score	222
Exons	1..46, 295..448		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42231	Strand	+
Start	1	End	1604
Name	OJ990326_04.9C10.C22.o1.np	Method	AAT/NAP
Start	1	End	215
GI	6721562	Score	80
Exons	1..38, 153..215		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42231	Strand	+
Start	1	End	1604
Name	OJ990326_04.9C10.C22.o2.np	Method	AAT/NAP
Start	1	End	390
GI	5042454	Score	111
Exons	1..83, 337..390		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42231	Strand	+
Start	1	End	1604
Name	OJ990326_04.9C10.C22.o1.gs	Method	GENSCAN
Start	27	End	1604
GI	none	Score	.88
Exons	27..83, 337..511, 1489..1604		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42232	Strand	+
Start	3714	End	12398
Name	OJ990326_04.9C10.C22.o2.gs	Method	GENSCAN
Start	3714	End	12378
GI	none	Score	.51
Exons	3714..3834, 5014..5180, 5365..5565, 6268..6427, 6525..6738, 6956..7079, 7256..7446, 8910..9001, 9123..9602, 11138..11990, 12060..12378		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42232	Strand	+
Start	3714	End	12398
Name	OJ990326_04.9C10.C22.o1.gp	Method	AAT/GAP
Start	9158	End	9291
GI	uC-osf1M202039g09b1	Score	180
Exons	9158..9291		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42232	Strand	+
Start	3714	End	12398
Name	OJ990326_04.9C10.C22.o4.np	Method	AAT/NAP
Start	9222	End	12398
GI	3152576	Score	605
Exons	9222..9602, 11138..11996, 12060..12398		
GI Descrip.	(AC002986) Similar to liver-specific transport protein gb|L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42232	Strand	+
Start	3714	End	12398
Name	OJ990326_04.9C10.C22.o2.gp	Method	AAT/GAP
Start	11613	End	11934
GI	568937	Score	629
Exons	11613..11934		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42233	Strand	+
Start	13337	End	13913
Name	OJ990326_04.9C10.C22.o3.gs	Method	GENSCAN
Start	13337	End	13913
GI	none	Score	.89
Exons	13337..13409, 13738..13913		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42234	Strand	+
Start	17445	End	19075
Name	OJ990326_04.9C10.C22.o4.gp	Method	AAT/GAP
Start	17406	End	18495
GI	71813_1.R1084	Score	1010
Exons	17406..17604, 17723..17823, 18197..18495		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42234	Strand	+
Start	17445	End	19075
Name	OJ990326_04.9C10.C22.o5.np	Method	AAT/NAP
Start	17436	End	18901
GI	4262149	Score	787
Exons	17436..17604, 17723..17823, 18197..18448, 18524..18706, 18740..18901		
GI Descrip.	(AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42234	Strand	+
Start	17445	End	19075
Name	OJ990326_04.9C10.C22.o4.gs	Method	GENSCAN
Start	17445	End	18895
GI	none	Score	.65
Exons	17445..17604, 17723..17827, 18180..18895		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42234	Strand	+

Start	17445	End	19075
Name	OJ990326_04.9C10.C22.o5.gp	Method	AAT/GAP
Start	18608	End	19075
GI	76282_1.R1084	Score	852
Exons	18608..19075		
GI Descrip.	'4262149/gb|AAD14449| 7.0e-17 (AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]'		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42235	Strand	-
Start	2647	End	5749
Name	OJ990326_04.9C10.C22.o3.np	Method	AAT/NAP
Start	2647	End	5749
GI	6562752	Score	80
Exons	2647..3056, 5723..5749		
GI Descrip.	(AL035475) hypothetical protein, MAL4P2.50 [Plasmodium falciparum]		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42235	Strand	-
Start	2647	End	5749
Name	OJ990326_04.9C10.C22.o3.tm	Method	TBLASTX:Maize
Start	3701	End	5442
GI	none	Score	164
Exons	3701..3832, 3726..3833, 4992..5180, 4997..5182, 5013..5180, 5014..5181, 5338..5442, 5341..5442		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42235	Strand	-
Start	2647	End	5749
Name	OJ990326_04.9C10.C22.o2.tw	Method	TBLASTX:Wheat
Start	3746	End	5478
GI	none	Score	125
Exons	3746..3832, 3747..3833, 3764..3835, 5013..5189, 5013..5162, 5362..5475, 5362..5478		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42236	Strand	
Start	9271	End	9604
Name	OJ990326_04.9C10.C22.o1.tw	Method	TBLASTX:Wheat
Start	9271	End	9423
GI	none	Score	216
Exons	9271..9423, 9272..9418		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42236	Strand	
Start	9271	End	9604
Name	OJ990326_04.9C10.C22.o3.ts	Method	TBLASTX:Soybean
Start	9272	End	9604
GI	4397580	Score	185
Exons	9272..9412, 9280..9423, 9488..9604, 9505..9603		
GI Descrip.	3152576 6.0e-14 (AC002986) Similar to liver-specific transport protein gb_L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42237	Strand	

Start	9509	End	11604
Name	OJ990326_04.9C10.C22.o2.tc	Method	TBLASTX:Cress
Start	9509	End	11468
GI	none	Score	72
Exons	9509..9604, 11130..11468, 11131..11391		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42237	Strand	
Start	9509	End	11604
Name	OJ990326_04.9C10.C22.o2.ts	Method	TBLASTX:Soybean
Start	11158	End	11604
GI	none	Score	322
Exons	11158..11436, 11160..11420, 11437..11604, 11463..11603		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42238	Strand	
Start	11710	End	12105
Name	OJ990326_04.9C10.C22.o4.ts	Method	TBLASTX:Soybean
Start	11710	End	12105
GI	none	Score	269
Exons	11710..11991, 12058..12105		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42239	Strand	
Start	17513	End	18953
Name	OJ990326_04.9C10.C22.o2.tm	Method	TBLASTX:Maize
Start	17513	End	18370
GI	none	Score	158
Exons	17513..17563, 17514..17606, 17680..17829, 17721..17822, 18185..18331, 18197..18370, 18199..18369		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42239	Strand	
Start	17513	End	18953
Name	OJ990326_04.9C10.C22.o1.tc	Method	TBLASTX:Cress
Start	17514	End	18883
GI	none	Score	93
Exons	17514..17606, 17686..17829, 17721..17822, 18197..18430, 18199..18429, 18550..18636, 18551..18667, 18746..18883		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42239	Strand	
Start	17513	End	18953
Name	OJ990326_04.9C10.C22.o1.ts	Method	TBLASTX:Soybean
Start	17514	End	18883
GI	none	Score	115
Exons	17514..17606, 17719..17829, 17721..17822, 18197..18430, 18199..18432, 18550..18639, 18551..18667, 18745..18882, 18746..18883		

Seq. No.	20191	Seq. ID	OJ990326_04.9C10.C22
Gene No.	42239	Strand	
Start	17513	End	18953
Name	OJ990326_04.9C10.C22.o1.tm	Method	TBLASTX:Maize
Start	18371	End	18953
GI	none	Score	103
Exons	18371..18430, 18455..18469, 18550..18891, 18551..18895,		

18933..18953

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42240	Strand	+
Start	1	End	138
Name	OJ990326_04.9C10.C23.o1.gp	Method	AAT/GAP
Start	1	End	138
GI	76282_1.R1084	Score	249
Exons	1..138		
GI Descrip.	'4262149/gb|AAD14449| 7.0e-17 (AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]'		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42241	Strand	+
Start	1054	End	2502
Name	OJ990326_04.9C10.C23.o1.gs	Method	GENSCAN
Start	1054	End	2502
GI	none	Score	.76
Exons	1054..1074, 1641..1893, 2361..2437, 2452..2502		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42242	Strand	-
Start	2842	End	8366
Name	OJ990326_04.9C10.C23.o1.np	Method	AAT/NAP
Start	2842	End	4955
GI	3269281	Score	560
Exons	2842..2905, 4072..4955		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42242	Strand	-
Start	2842	End	8366
Name	OJ990326_04.9C10.C23.o2.gs	Method	GENSCAN
Start	4108	End	8366
GI	none	Score	.73
Exons	4108..4618, 4723..4916, 5565..5608, 5975..6072, 6953..6996, 7343..7462, 7592..7960, 8216..8366		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42242	Strand	-
Start	2842	End	8366
Name	OJ990326_04.9C10.C23.o2.tm	Method	TBLASTX:Maize
Start	4144	End	4479
GI	none	Score	185
Exons	4144..4185, 4186..4479, 4186..4479		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42242	Strand	-
Start	2842	End	8366
Name	OJ990326_04.9C10.C23.o1.ts	Method	TBLASTX:Soybean
Start	4186	End	4781
GI	none	Score	122
Exons	4186..4599, 4193..4582, 4644..4781, 4663..4761		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42242	Strand	-
Start	2842	End	8366

Name	OJ990326_04.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	4487	End	4935
GI	none	Score	70
Exons	4487..4594, 4489..4644, 4490..4582, 4651..4935, 4654..4929, 4656..4934		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42242	Strand	-
Start	2842	End	8366
Name	OJ990326_04.9C10.C23.o1.tw	Method	TBLASTX:Wheat
Start	4546	End	4934
GI	none	Score	86
Exons	4546..4632, 4656..4802, 4656..4802, 4657..4803, 4815..4934		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42242	Strand	-
Start	2842	End	8366
Name	OJ990326_04.9C10.C23.o2.gp	Method	AAT/GAP
Start	5576	End	5776
GI	3106943	Score	299
Exons	5576..5776		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	20192	Seq. ID	OJ990326_04.9C10.C23
Gene No.	42242	Strand	-
Start	2842	End	8366
Name	OJ990326_04.9C10.C23.o3.gp	Method	AAT/GAP
Start	6964	End	7163
GI	3106943	Score	374
Exons	6964..7163		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42243	Strand	+
Start	672	End	1894
Name	OJ990326_04.9C10.C24.o1.gs	Method	GENSCAN
Start	672	End	1894
GI	none	Score	.68
Exons	672..812, 987..1125, 1405..1565, 1730..1894		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42244	Strand	+
Start	8495	End	15981
Name	OJ990326_04.9C10.C24.o4.np	Method	AAT/NAP
Start	8495	End	12437
GI	4508068	Score	264
Exons	8495..8536, 8979..9020, 11371..11430, 11621..11686, 11870..11941, 12294..12437		
GI Descrip.	(AC005882) 3063 [Arabidopsis thaliana]		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42244	Strand	+
Start	8495	End	15981
Name	OJ990326_04.9C10.C24.o4.gs	Method	GENSCAN
Start	10222	End	15981

GI	none	Score	.6
Exons	10222..10589, 10710..11217, 11326..11430, 11870..11935, 12097..12150, 12294..12436, 13394..13443, 15235..15421, 15660..15981		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42245	Strand	+
Start	33979	End	34449
Name	OJ990326_04.9C10.C24.o2.gp	Method	AAT/GAP
Start	33979	End	34449
GI	LIB3432-020-P1-K1-H1	Score	889
Exons	33979..34449		
GI Descrip.	'2735017 1.0e-40 (U82481) KI domain interacting kinase 1 [Zea mays]'		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42246	Strand	-
Start	2648	End	8993
Name	OJ990326_04.9C10.C24.o2.gs	Method	GENSCAN
Start	2648	End	4518
GI	none	Score	.64
Exons	2648..2661, 4320..4518		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42246	Strand	-
Start	2648	End	8993
Name	OJ990326_04.9C10.C24.o1.np	Method	AAT/NAP
Start	2776	End	3225
GI	6069646	Score	412
Exons	2776..3225		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42246	Strand	-
Start	2648	End	8993
Name	OJ990326_04.9C10.C24.o2.np	Method	AAT/NAP
Start	4237	End	8993
GI	6016874	Score	2231
Exons	4237..4261, 6071..6341, 6817..7156, 7274..7453, 7847..8006, 8397..8629, 8694..8831, 8915..8993		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42246	Strand	-
Start	2648	End	8993
Name	OJ990326_04.9C10.C24.o3.gs	Method	GENSCAN
Start	6158	End	8993
GI	none	Score	.64
Exons	6158..6341, 6817..7273, 7847..8006, 8397..8629, 8694..8831, 8915..8993		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42246	Strand	-
Start	2648	End	8993
Name	OJ990326_04.9C10.C24.o1.gp	Method	AAT/GAP
Start	7796	End	8304
GI	uC-osflcyp110c07b1	Score	970
Exons	7796..8304		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42247	Strand	-
Start	9392	End	9549
Name	OJ990326_04.9C10.C24.o3.np	Method	AAT/NAP
Start	9392	End	9549
GI	6907084	Score	150
Exons	9392..9549		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42248	Strand	-
Start	17253	End	36481
Name	OJ990326_04.9C10.C24.o5.np	Method	AAT/NAP
Start	17038	End	20674
GI	2662048	Score	1311
Exons	17038..17337, 17419..17569, 17662..17899, 18003..18213, 18326..18507, 18559..18696, 19389..20674		
GI Descrip.	(AB000970) receptor kinase 1 [Brassica rapa]		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42248	Strand	-
Start	17253	End	36481
Name	OJ990326_04.9C10.C24.o5.gs	Method	GENSCAN
Start	17253	End	36481
GI	none	Score	.67
Exons	17253..17337, 17662..17812, 18003..18213, 18326..18507, 19437..20668, 21071..21432, 21502..21927, 22284..22556, 22706..22793, 22885..23068, 23223..23433, 23518..23699, 23777..23878, 24200..24375, 24533..25560, 25740..25889, 26916..27013, 27408..27546, 27759..27912, 28008..28245, 28460..28670, 28774..28955, 29222..30003, 30056..30409, 30874..31070, 31158..31241, 31308..31511, 32218..32313, 32410..32479, 33453..33538, 33648..33798, 33932..34022, 34274..34517, 34588..34766, 35233..36481		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o8.tm	Method	TBLASTX:Maize
Start	2886	End	3224
GI	none	Score	91
Exons	2886..3029, 3019..3138, 3117..3224		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815

Name	OJ990326_04.9C10.C24.o4.tm	Method	TBLASTX:Maize
Start	6856	End	31436
GI	none	Score	94
Exons	6856..6972, 31027..31080, 31029..31079, 31156..31242, 31157..31189, 31158..31355, 31159..31329, 31320..31388, 31392..31436		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o7.tm	Method	TBLASTX:Maize
Start	7102	End	7586
GI	none	Score	48
Exons	7102..7191, 7234..7575, 7305..7586		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o6.tm	Method	TBLASTX:Maize
Start	7791	End	8105
GI	none	Score	108
Exons	7791..8018, 7792..8010, 8031..8105		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o3.tm	Method	TBLASTX:Maize
Start	8199	End	8645
GI	none	Score	101
Exons	8199..8237, 8232..8288, 8325..8573, 8365..8574, 8559..8645		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o1.ts	Method	TBLASTX:Soybean
Start	17008	End	41800
GI	none	Score	69
Exons	17008..17076, 17122..17349, 17195..17266, 17473..17568, 17474..17569, 17652..17798, 17664..17906, 17710..17901, 18004..18213, 18008..18163, 18326..18430, 22236..22295, 22350..22568, 22686..22793, 22691..22792, 22884..23015, 22885..22977, 22888..23130, 22889..23059, 22908..23129, 23242..23445, 23306..23446, 23518..23709, 23519..23599, 27406..27663, 27452..27664, 27490..27714, 27793..27912, 27810..27911, 28009..28104, 28010..28264, 28056..28112, 28461..28673, 28474..28614, 28772..28804, 33326..33568, 33377..33598, 33685..33798, 33696..33797, 33697..33798, 33698..33799, 33935..34186, 33955..34149, 34275..34457, 34275..34487, 34279..34485, 34588..34659, 37297..37524, 37301..37525, 37645..37746, 37652..37747, 37652..37747, 37848..38027, 37852..37938, 37855..38091, 37872..38099, 38185..38403, 38237..38338, 38475..38546, 40996..41220, 41000..41146, 41337..41435, 41352..41435, 41359..41436, 41371..41436, 41549..41731, 41555..41800, 41556..41792		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-

Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o1.tc	Method	TBLASTX:Cress
Start	17110	End	41800
GI	none	Score	86
Exons	17110..17328, 17126..17263, 17462..17563, 17473..17565, 17662..17892, 17664..17906, 17665..17880, 18003..18155, 18004..18213, 18074..18163, 18326..18466, 22359..22586, 22685..22789, 22686..22790, 22888..23100, 22908..23129, 23218..23364, 23242..23436, 23306..23434, 23518..23658, 23519..23599, 27406..27663, 27470..27592, 27789..27908, 27805..27909, 27820..27912, 28006..28185, 28007..28186, 28010..28309, 28461..28673, 28462..28614, 33326..33553, 33690..33794, 33691..33795, 33932..34132, 33937..34104, 33955..34149, 33980..34150, 34275..34430, 34275..34487, 34345..34485, 34576..34668, 37300..37524, 37619..37744, 37630..37743, 37655..37744, 37855..38070, 37872..38099, 38170..38316, 38178..38309, 38185..38403, 38255..38338, 38475..38558, 40999..41202, 41000..41140, 41346..41435, 41347..41436, 41555..41800, 41556..41771		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o3.tw	Method	TBLASTX:Wheat
Start	17132	End	41169
GI	none	Score	68
Exons	17132..17260, 17134..17337, 22359..22514, 27458..27586, 27460..27663, 33335..33538, 33336..33458, 33377..33553, 37249..37470, 40948..41169		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	17158	End	41800
GI	none	Score	102
Exons	17158..17349, 17171..17353, 17447..17569, 17451..17564, 17467..17568, 17652..17882, 17662..17883, 17662..17880, 17664..17882, 18004..18213, 18008..18163, 18326..18433, 22374..22568, 22375..22557, 22649..22792, 22653..22793, 22884..23105, 22885..23130, 22908..23117, 23167..23436, 23312..23434, 23517..23570, 23518..23625, 27481..27663, 27482..27664, 27805..27912, 27816..27911, 28008..28223, 28010..28231, 28011..28229, 28049..28231, 28437..28673, 28465..28614, 28772..28807, 28775..28837, 33335..33388, 33372..33464, 33374..33568, 33495..33539, 33636..33797, 33658..33798, 33955..34152, 33983..34153, 34246..34485, 34275..34487, 34275..34487, 34588..34698, 37282..37341, 37309..37338, 37337..37417, 37351..37524, 37460..37525, 37640..37747, 37651..37746, 37665..37748, 37852..38070, 37872..38099, 38185..38403, 38240..38338, 38475..38579, 40981..41040, 41009..41041, 41036..41116, 41047..41220, 41159..41212, 41347..41436, 41352..41435, 41553..41771, 41555..41800		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-

Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o1.tw	Method	TBLASTX:Wheat
Start	17419	End	41728
GI	none	Score	57
Exons	17419..17565, 17419..17568, 17438..17569, 17663..17782, 17664..17834, 17664..17837, 17665..17835, 22515..22574, 22643..22792, 22671..22793, 22887..23057, 22888..23058, 22908..23060, 27789..27911, 27805..27912, 28010..28183, 28011..28181, 33687..33797, 33691..33798, 33933..34052, 33934..34104, 33935..34105, 33955..34107, 37471..37512, 37603..37746, 37640..37747, 37853..37981, 37854..38021, 37855..38025, 37872..38027, 41170..41211, 41310..41435, 41347..41436, 41555..41722, 41555..41728, 41556..41726		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o2.tw	Method	TBLASTX:Wheat
Start	17838	End	41800
GI	none	Score	126
Exons	17838..17906, 17996..18229, 18004..18213, 23061..23129, 23216..23434, 23242..23436, 28184..28264, 28453..28614, 28455..28673, 34108..34152, 34275..34487, 34279..34485, 38028..38099, 38185..38397, 38237..38341, 41729..41800		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o5.tm	Method	TBLASTX:Maize
Start	19450	End	39249
GI	none	Score	51
Exons	19450..19503, 19450..19530, 19460..19519, 19492..19647, 19496..19648, 19501..19647, 19518..19652, 19520..19648, 24241..24288, 24245..24313, 24246..24299, 24295..24414, 24296..24412, 24300..24446, 24301..24432, 29267..29326, 29268..29342, 29283..29327, 29318..29473, 29329..29472, 29331..29486, 29345..29488, 35282..35335, 35292..35333, 35324..35485, 35337..35510, 35338..35469, 35397..35480, 39018..39077, 39019..39069, 39019..39081, 39066..39131, 39108..39248, 39109..39249		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o2.tc	Method	TBLASTX:Cress
Start	19714	End	40145
GI	none	Score	65
Exons	19714..19761, 19759..19899, 20015..20125, 20017..20148, 20182..20274, 20183..20230, 20320..20550, 20399..20530, 24838..24939, 24839..24922, 24985..25095, 24985..25074, 25096..25242, 25160..25243, 25234..25383, 29547..29573, 29598..29738, 29814..29882, 30016..30087, 30148..30264, 35552..35578, 35603..35641, 35654..35743, 35873..35992, 36032..36391, 36033..36167, 39633..39743, 39781..39879, 39789..39872, 39945..40145, 39988..40125		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24

Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o2.tm	Method	TBLASTX:Maize
Start	20005	End	40082
GI	none	Score	41
Exons	20005..20097, 20035..20082, 20089..20487, 20111..20479, 24829..24894, 24833..24892, 24877..25125, 24899..25066, 24919..25104, 25027..25092, 25075..25251, 25127..25207, 25172..25255, 25194..25232, 25196..25249, 25197..25262, 29799..29918, 30022..30048, 30023..30073, 30046..30087, 30136..30258, 30136..30264, 30140..30265, 35849..35926, 35943..36140, 35949..36113, 35954..36139, 35966..36163, 36138..36245, 36139..36195, 36140..36241, 36162..36248, 36210..36308, 36230..36319, 36234..36311, 36235..36321, 39627..39677, 39630..39674, 39684..39899, 39697..39900, 39873..39995, 39895..39975, 39972..40082, 39997..40074		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o2.ts	Method	TBLASTX:Soybean
Start	20101	End	40154
GI	none	Score	88
Exons	20101..20235, 20105..20236, 20254..20514, 20410..20484, 20494..20559, 24898..25032, 24902..25030, 25105..25185, 25144..25245, 25206..25247, 25285..25395, 30148..30264, 35949..36077, 35954..36079, 36098..36163, 36149..36328, 39693..39827, 39700..39843, 39837..40094, 40006..40089, 40089..40154		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o3.ts	Method	TBLASTX:Soybean
Start	31047	End	31307
GI	none	Score	114
Exons	31047..31079, 31125..31307, 31168..31305		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o6.gs	Method	GENSCAN
Start	37210	End	39920
GI	none	Score	.76
Exons	37210..37512, 37597..37747, 37852..38089, 38489..38668, 38732..38848, 38978..39920		

Seq. No.	20193	Seq. ID	OJ990326_04.9C10.C24
Gene No.	42249	Strand	-
Start	37210	End	41815
Name	OJ990326_04.9C10.C24.o6.np	Method	AAT/NAP
Start	37213	End	41815
GI	6686398	Score	1560
Exons	37213..37512, 37597..37747, 37852..38089, 38184..38394, 38475..38676, 38805..38936, 38978..40192, 40914..41211, 41304..41453, 41553..41815		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	20194	Seq. ID	OJ990326_04.9C10.C27
Gene No.	42250	Strand	-
Start	224	End	457
Name	OJ990326_04.9C10.C27.o1.gs	Method	GENSCAN
Start	224	End	457
GI	none	Score	.96
Exons	224..457		

Seq. No.	20195	Seq. ID	OJ990326_04.9C10.C28
Gene No.	42251	Strand	-
Start	173	End	309
Name	OJ990326_04.9C10.C28.o1.gs	Method	GENSCAN
Start	173	End	309
GI	none	Score	.81
Exons	173..309		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42252	Strand	+
Start	1826	End	2206
Name	OJ990326_08.9C10.C1.o2.np	Method	AAT/NAP
Start	1826	End	2206
GI	5734709	Score	86
Exons	1826..2206		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42253	Strand	+
Start	3553	End	4473
Name	OJ990326_08.9C10.C1.o2.gs	Method	GENSCAN
Start	3553	End	4473
GI	none	Score	.49
Exons	3553..3611, 3860..3987, 4385..4473		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42254	Strand	-
Start	1	End	2106
Name	OJ990326_08.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	2106
GI	4006829	Score	390
Exons	1..531, 1711..2106		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42255	Strand	-
Start	7264	End	12500
Name	OJ990326_08.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	394	End	1860
GI	none	Score	102
Exons	394..531, 1706..1780, 1711..1776, 1774..1860, 1775..1849		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42255	Strand	-
Start	7264	End	12500
Name	OJ990326_08.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	394	End	1938

GI	none	Score	214
Exons	394..528, 1706..1936, 1711..1938		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42255	Strand	-
Start	7264	End	12500
Name	OJ990326_08.9C10.C1.o2.tc	Method	TBLASTX:Cress
Start	394	End	532
GI	none	Score	67
Exons	394..531, 404..532		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42255	Strand	-
Start	7264	End	12500
Name	OJ990326_08.9C10.C1.o1.tw	Method	TBLASTX:Wheat
Start	1735	End	1963
GI	none	Score	132
Exons	1735..1911, 1739..1963, 1744..1938		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42255	Strand	-
Start	7264	End	12500
Name	OJ990326_08.9C10.C1.o1.tc	Method	TBLASTX:Cress
Start	1759	End	1938
GI	none	Score	130
Exons	1759..1938, 1778..1936		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42255	Strand	-
Start	7264	End	12500
Name	OJ990326_08.9C10.C1.o3.gs	Method	GENSCAN
Start	7264	End	12423
GI	none	Score	.68
Exons	7264..7401, 7599..7676, 9393..9483, 9776..9840, 10953..11096, 12156..12254, 12358..12423		

Seq. No.	20196	Seq. ID	OJ990326_08.9C10.C1
Gene No.	42255	Strand	-
Start	7264	End	12500
Name	OJ990326_08.9C10.C1.o3.np	Method	AAT/NAP
Start	10765	End	12500
GI	6648172	Score	173
Exons	10765..11096, 12156..12256, 12475..12500		
GI Descrip.	(AC010926) putative exportin, tRNA (nuclear export receptor for tRNAs) [Arabidopsis thaliana]		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42256	Strand	+
Start	5539	End	6005
Name	OJ990326_08.9C10.C2.o2.gs	Method	GENSCAN
Start	5539	End	6005
GI	none	Score	.74
Exons	5539..5597, 5849..6005		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42257	Strand	+
Start	7191	End	7467

Name	OJ990326_08.9C10.C2.o2.gp	Method	AAT/GAP
Start	7155	End	7467
GI	19595_1.R1084	Score	598
Exons	7155..7467		
GI Descrip.	'3608481 2.0e-49 (AF088913) ribosomal protein L27a [Petunia x hybrida]'		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42257	Strand	+
Start	7191	End	7467
Name	OJ990326_08.9C10.C2.o2.np	Method	AAT/NAP
Start	7191	End	7467
GI	3608481	Score	432
Exons	7191..7467		
GI Descrip.	(AF088913) ribosomal protein L27a [Petunia x hybrida]		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42257	Strand	+
Start	7191	End	7467
Name	OJ990326_08.9C10.C2.o3.gs	Method	GENSCAN
Start	7191	End	7433
GI	none	Score	.64
Exons	7191..7433		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42258	Strand	-
Start	1	End	4671
Name	OJ990326_08.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	4671
GI	6648172	Score	1507
Exons	1..44, 884..1022, 1832..1927, 2011..2073, 2181..2240, 2427..2531, 2623..2712, 2796..2891, 2977..4671		
GI Descrip.	(AC010926) putative exportin, tRNA (nuclear export receptor for tRNAs) [Arabidopsis thaliana]		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42258	Strand	-
Start	1	End	4671
Name	OJ990326_08.9C10.C2.o1.gs	Method	GENSCAN
Start	858	End	4671
GI	none	Score	.51
Exons	858..1022, 2011..2073, 2181..2240, 2427..2531, 2623..2712, 2796..2891, 2977..4671		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42258	Strand	-
Start	1	End	4671
Name	OJ990326_08.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	966	End	2241
GI	none	Score	95
Exons	966..1025, 1776..1925, 1787..1930, 1835..1930, 1981..2076, 2006..2074, 2163..2240, 2164..2241		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42258	Strand	-
Start	1	End	4671
Name	OJ990326_08.9C10.C2.o1.gp	Method	AAT/GAP

Start	3974	End	4279
GI	2311669	Score	557
Exons	3974..4279		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42259	Strand	
Start	7143	End	7466
Name	OJ990326_08.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	7143	End	7466
GI	none	Score	490
Exons	7143..7466, 7172..7465		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42259	Strand	
Start	7143	End	7466
Name	OJ990326_08.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	7172	End	7466
GI	none	Score	474
Exons	7172..7465, 7182..7466		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42259	Strand	
Start	7143	End	7466
Name	OJ990326_08.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	7178	End	7463
GI	none	Score	438
Exons	7178..7453, 7179..7463		

Seq. No.	20197	Seq. ID	OJ990326_08.9C10.C2
Gene No.	42259	Strand	
Start	7143	End	7466
Name	OJ990326_08.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	7190	End	7463
GI	none	Score	435
Exons	7190..7444, 7191..7463		

Seq. No.	20198	Seq. ID	OJ990326_08.9C10.C3
Gene No.	42260	Strand	+
Start	1	End	6294
Name	OJ990326_08.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	6294
GI	5852093	Score	87
Exons	1..41, 4543..4716, 6252..6294		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	20198	Seq. ID	OJ990326_08.9C10.C3
Gene No.	42261	Strand	-
Start	3134	End	4997
Name	OJ990326_08.9C10.C3.o2.np	Method	AAT/NAP
Start	3134	End	4997
GI	5852093	Score	46
Exons	3134..3162, 4881..4997		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	20199	Seq. ID	OJ990326_08.9C10.C5
Gene No.	42262	Strand	+
Start	336	End	489

Name	OJ990326_08.9C10.C5.o1.gs	Method	GENSCAN
Start	336	End	489
GI	none	Score	.51
Exons	336..489		

Seq. No.	20200	Seq. ID	OJ990326_08.9C10.C6
Gene No.	42263	Strand	-
Start	1	End	653
Name	OJ990326_08.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	653
GI	2181190	Score	167
Exons	1..43, 161..249, 277..653		
GI Descrip.	(Y12531) serine/threonine kinase [Brassica oleracea]		

Seq. No.	20200	Seq. ID	OJ990326_08.9C10.C6
Gene No.	42263	Strand	-
Start	1	End	653
Name	OJ990326_08.9C10.C6.o1.gs	Method	GENSCAN
Start	97	End	641
GI	none	Score	.88
Exons	97..125, 161..641		

Seq. No.	20200	Seq. ID	OJ990326_08.9C10.C6
Gene No.	42263	Strand	-
Start	1	End	653
Name	OJ990326_08.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	210	End	438
GI	none	Score	58
Exons	210..263, 220..261, 252..413, 265..438, 266..397, 325..408		

Seq. No.	20201	Seq. ID	OJ990326_08.9C10.C7
Gene No.	42264	Strand	-
Start	339	End	818
Name	OJ990326_08.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	327	End	817
GI	none	Score	56
Exons	327..596, 331..384, 333..593, 418..627, 596..652, 596..652, 713..817, 729..815, 734..817		

Seq. No.	20201	Seq. ID	OJ990326_08.9C10.C7
Gene No.	42264	Strand	-
Start	339	End	818
Name	OJ990326_08.9C10.C7.o1.gs	Method	GENSCAN
Start	339	End	638
GI	none	Score	.76
Exons	339..638		

Seq. No.	20201	Seq. ID	OJ990326_08.9C10.C7
Gene No.	42264	Strand	-
Start	339	End	818
Name	OJ990326_08.9C10.C7.o1.np	Method	AAT/NAP
Start	342	End	818
GI	3021266	Score	176
Exons	342..683, 764..818		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|3292840|emb|CAA19830.1| (AL031018) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	20201	Seq. ID	OJ990326_08.9C10.C7
Gene No.	42264	Strand	-
Start	339	End	818
Name	OJ990326_08.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	421	End	652
GI	none	Score	98
Exons	421..552, 426..584, 590..652		

Seq. No.	20202	Seq. ID	OJ990326_08.9C10.C10
Gene No.	42265	Strand	-
Start	217	End	334
Name	OJ990326_08.9C10.C10.o1.np	Method	AAT/NAP
Start	217	End	334
GI	4680183	Score	142
Exons	217..334		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	20202	Seq. ID	OJ990326_08.9C10.C10
Gene No.	42266	Strand	-
Start	261	End	438
Name	OJ990326_08.9C10.C10.o1.gs	Method	GENSCAN
Start	261	End	438
GI	none	Score	.5
Exons	261..306, 320..438		

Seq. No.	20203	Seq. ID	OJ990326_08.9C10.C13
Gene No.	42267	Strand	-
Start	369	End	1136
Name	OJ990326_08.9C10.C13.o1.gs	Method	GENSCAN
Start	369	End	1136
GI	none	Score	.54
Exons	369..630, 1063..1136		

Seq. No.	20204	Seq. ID	OJ990326_08.9C10.C14
Gene No.	42268	Strand	+
Start	196	End	330
Name	OJ990326_08.9C10.C14.o1.gs	Method	GENSCAN
Start	196	End	330
GI	none	Score	.59
Exons	196..330		

Seq. No.	20205	Seq. ID	OJ990326_08.9C10.C15
Gene No.	42269	Strand	+
Start	1	End	366
Name	OJ990326_08.9C10.C15.o1.gp	Method	AAT/GAP
Start	1	End	366
GI	95527_1.R1084	Score	669
Exons	1..366		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o1.np	Method	AAT/NAP
Start	90	End	3407

GI	4680203	Score	1956
Exons	90..1670, 1713..1805, 1959..2189, 2466..3407		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o2.tw	Method	TBLASTX:Wheat
Start	452	End	1132
GI	none	Score	216
Exons	452..850, 550..573, 685..852, 898..993, 899..1003, 1007..1132, 1069..1131		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	731	End	1150
GI	none	Score	122
Exons	731..850, 731..883, 901..1146, 902..1150		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	898	End	1228
GI	none	Score	295
Exons	898..1035, 899..1228, 1082..1186		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o2.tm	Method	TBLASTX:Maize
Start	989	End	1348
GI	none	Score	240
Exons	989..1201, 991..1200, 1265..1348		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o4.tw	Method	TBLASTX:Wheat
Start	1133	End	1436
GI	none	Score	52
Exons	1133..1174, 1175..1231, 1183..1215, 1207..1290, 1218..1352, 1293..1436, 1321..1413		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o3.tw	Method	TBLASTX:Wheat
Start	1700	End	2072
GI	none	Score	68
Exons	1700..1855, 1749..1952, 1751..1951, 1988..2071, 1989..2072		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521

Name	OJ990326_08.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	1980	End	2465
GI	none	Score	277
Exons	1980..2465, 1997..2173, 2309..2458		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o1.gp	Method	AAT/GAP
Start	2061	End	3521
GI	5002953	Score	1216
Exons	2061..2192, 2451..2860, 3340..3521		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	2076	End	3203
GI	none	Score	474
Exons	2076..2618, 2120..2566, 2637..2798, 2654..2794, 2802..2993, 2837..2977, 2982..3029, 3033..3074, 3036..3074, 3098..3175, 3099..3203		

Seq. No.	20206	Seq. ID	OJ990326_08.9C10.C17
Gene No.	42270	Strand	+
Start	90	End	3521
Name	OJ990326_08.9C10.C17.o2.tc	Method	TBLASTX:Cress
Start	2363	End	2789
GI	none	Score	206
Exons	2363..2566, 2367..2618, 2637..2789, 2654..2776		

Seq. No.	20207	Seq. ID	OJ990326_08.9C10.C18
Gene No.	42271	Strand	+
Start	1	End	3858
Name	OJ990326_08.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	2933
GI	5917666	Score	47
Exons	1..217, 906..1016, 2766..2835, 2866..2933		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	20207	Seq. ID	OJ990326_08.9C10.C18
Gene No.	42271	Strand	+
Start	1	End	3858
Name	OJ990326_08.9C10.C18.o1.gs	Method	GENSCAN
Start	90	End	2259
GI	none	Score	.94
Exons	90..206, 906..1038, 1272..1860, 1939..2259		

Seq. No.	20207	Seq. ID	OJ990326_08.9C10.C18
Gene No.	42271	Strand	+
Start	1	End	3858
Name	OJ990326_08.9C10.C18.o2.gs	Method	GENSCAN
Start	2547	End	3858
GI	none	Score	.86
Exons	2547..3301, 3384..3554, 3721..3858		

Seq. No.	20208	Seq. ID	OJ990326_08.9C10.C20
Gene No.	42272	Strand	+
Start	2	End	1541
Name	OJ990326_08.9C10.C20.o1.np	Method	AAT/NAP
Start	2	End	1541
GI	6539588	Score	44
Exons	2..140, 1514..1541		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20208	Seq. ID	OJ990326_08.9C10.C20
Gene No.	42273	Strand	+
Start	4108	End	4617
Name	OJ990326_08.9C10.C20.o3.np	Method	AAT/NAP
Start	4108	End	4617
GI	4895202	Score	189
Exons	4108..4617		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20208	Seq. ID	OJ990326_08.9C10.C20
Gene No.	42274	Strand	-
Start	3357	End	4855
Name	OJ990326_08.9C10.C20.o2.np	Method	AAT/NAP
Start	3357	End	4855
GI	5852093	Score	51
Exons	3357..3481, 4787..4855		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	20208	Seq. ID	OJ990326_08.9C10.C20
Gene No.	42275	Strand	-
Start	4891	End	5523
Name	OJ990326_08.9C10.C20.o2.gs	Method	GENSCAN
Start	4891	End	5523
GI	none	Score	.93
Exons	4891..5133, 5253..5332, 5466..5523		

Seq. No.	20208	Seq. ID	OJ990326_08.9C10.C20
Gene No.	42276	Strand	-
Start	5713	End	5850
Name	OJ990326_08.9C10.C20.o1.tm	Method	TBLASTX:Maize
Start	4110	End	4454
GI	none	Score	411
Exons	4110..4160, 4161..4454, 4162..4452		

Seq. No.	20208	Seq. ID	OJ990326_08.9C10.C20
Gene No.	42276	Strand	-
Start	5713	End	5850
Name	OJ990326_08.9C10.C20.o1.gp	Method	AAT/GAP
Start	5713	End	5850
GI	LIB3431-027-P1-K1-D5	Score	241
Exons	5713..5850		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	20209	Seq. ID	OJ990326_08.9C10.C21
Gene No.	42277	Strand	+
Start	804	End	4438

Name	OJ990326_08.9C10.C21.o1.gs	Method	GENSCAN
Start	804	End	4438
GI	none	Score	.63
Exons	804..943, 1623..1784, 2118..2176, 4227..4438		

Seq. No.	20209	Seq. ID	OJ990326_08.9C10.C21
Gene No.	42278	Strand	+
Start	8592	End	10688
Name	OJ990326_08.9C10.C21.o1.np	Method	AAT/NAP
Start	8592	End	10688
GI	4895202	Score	139
Exons	8592..9098, 10656..10688		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20209	Seq. ID	OJ990326_08.9C10.C21
Gene No.	42278	Strand	+
Start	8592	End	10688
Name	OJ990326_08.9C10.C21.o3.gs	Method	GENSCAN
Start	8592	End	9278
GI	none	Score	.96
Exons	8592..9278		

Seq. No.	20209	Seq. ID	OJ990326_08.9C10.C21
Gene No.	42279	Strand	-
Start	54	End	191
Name	OJ990326_08.9C10.C21.o1.gp	Method	AAT/GAP
Start	54	End	191
GI	LIB3431-027-P1-K1-D5	Score	241
Exons	54..191		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	20209	Seq. ID	OJ990326_08.9C10.C21
Gene No.	42280	Strand	-
Start	5671	End	6089
Name	OJ990326_08.9C10.C21.o2.gs	Method	GENSCAN
Start	5671	End	6089
GI	none	Score	.65
Exons	5671..5741, 5927..6089		

Seq. No.	20209	Seq. ID	OJ990326_08.9C10.C21
Gene No.	42281	Strand	-
Start	7751	End	11518
Name	OJ990326_08.9C10.C21.o2.np	Method	AAT/NAP
Start	7751	End	11518
GI	5042454	Score	98
Exons	7751..7773, 11308..11518		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20210	Seq. ID	OJ990326_08.9C10.C22
Gene No.	42282	Strand	+
Start	1	End	234
Name	OJ990326_08.9C10.C22.o1.np	Method	AAT/NAP
Start	1	End	234
GI	5922623	Score	70
Exons	1..234		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	20210	Seq. ID	OJ990326_08.9C10.C22
Gene No.	42283	Strand	+
Start	1074	End	3007
Name	OJ990326_08.9C10.C22.o1.gs	Method	GENSCAN
Start	1074	End	2332
GI	none	Score	.71
Exons	1074..2332		

Seq. No.	20210	Seq. ID	OJ990326_08.9C10.C22
Gene No.	42283	Strand	+
Start	1074	End	3007
Name	OJ990326_08.9C10.C22.o2.np	Method	AAT/NAP
Start	1074	End	3007
GI	6907089	Score	2382
Exons	1074..2332, 2432..2810, 2847..3007		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20211	Seq. ID	OJ990326_08.9C10.C23
Gene No.	42284	Strand	-
Start	266	End	361
Name	OJ990326_08.9C10.C23.o1.gs	Method	GENSCAN
Start	266	End	361
GI	none	Score	.48
Exons	266..361		

Seq. No.	20212	Seq. ID	OJ990326_08.9C10.C24
Gene No.	42285	Strand	+
Start	210	End	1643
Name	OJ990326_08.9C10.C24.o1.np	Method	AAT/NAP
Start	210	End	1517
GI	6815062	Score	549
Exons	210..521, 594..692, 763..1174, 1318..1517		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	20212	Seq. ID	OJ990326_08.9C10.C24
Gene No.	42285	Strand	+
Start	210	End	1643
Name	OJ990326_08.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	225	End	843
GI	none	Score	181
Exons	225..542, 754..843		

Seq. No.	20212	Seq. ID	OJ990326_08.9C10.C24
Gene No.	42285	Strand	+
Start	210	End	1643
Name	OJ990326_08.9C10.C24.o1.gs	Method	GENSCAN
Start	227	End	1643
GI	none	Score	.75
Exons	227..521, 594..692, 763..809, 856..1009, 1369..1643		

Seq. No.	20213	Seq. ID	OJ990326_08.9C10.C25
Gene No.	42286	Strand	-

Start	2401	End	2535
Name	OJ990326_08.9C10.C25.o2.gs	Method	GENSCAN
Start	2401	End	2535
GI	none	Score	.86
Exons	2401..2535		

Seq. No.	20214	Seq. ID	OJ990326_08.9C10.C26
Gene No.	42287	Strand	-
Start	160	End	207
Name	OJ990326_08.9C10.C26.o1.gs	Method	GENSCAN
Start	160	End	207
GI	none	Score	.45
Exons	160..207		

Seq. No.	20215	Seq. ID	OJ990326_08.9C10.C27
Gene No.	42288	Strand	-
Start	11	End	564
Name	OJ990326_08.9C10.C27.o1.gs	Method	GENSCAN
Start	11	End	441
GI	none	Score	.64
Exons	11..441		

Seq. No.	20215	Seq. ID	OJ990326_08.9C10.C27
Gene No.	42288	Strand	-
Start	11	End	564
Name	OJ990326_08.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	241	End	564
GI	none	Score	71
Exons	241..390, 260..397, 266..400, 508..564	464..514, 466..516, 468..518,	

Seq. No.	20216	Seq. ID	OJ990326_08.9C10.C28
Gene No.	42289	Strand	-
Start	36	End	125
Name	OJ990326_08.9C10.C28.o1.gs	Method	GENSCAN
Start	36	End	125
GI	none	Score	.92
Exons	36..125		

Seq. No.	20216	Seq. ID	OJ990326_08.9C10.C28
Gene No.	42290	Strand	-
Start	252	End	725
Name	OJ990326_08.9C10.C28.o1.np	Method	AAT/NAP
Start	252	End	725
GI	6562752	Score	81
Exons	252..725		
GI Descrip.	(AL035475) hypothetical protein, MAL4P2.50 [Plasmodium falciparum]		

Seq. No.	20217	Seq. ID	OJ990326_08.9C10.C29
Gene No.	42291	Strand	-
Start	275	End	370
Name	OJ990326_08.9C10.C29.o1.gs	Method	GENSCAN
Start	275	End	370
GI	none	Score	.83
Exons	275..370		

Seq. No.	20218	Seq. ID	OJ990326_08.9C10.C30
Gene No.	42292	Strand	+
Start	1	End	2859
Name	OJ990326_08.9C10.C30.o1.np	Method	AAT/NAP
Start	1	End	2772
GI	4587556	Score	1178
Exons	1..266, 1134..1594, 1810..1968, 2048..2402, 2510..2772		
GI Descrip.	(AC006577) Similar to gi|1653162 (p)ppGpp 3-pyrophosphohydrolase from Synechocystis sp genome gb|D90911. EST gb|W43807 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	20218	Seq. ID	OJ990326_08.9C10.C30
Gene No.	42292	Strand	+
Start	1	End	2859
Name	OJ990326_08.9C10.C30.o2.tc	Method	TBLASTX:Cress
Start	78	End	1446
GI	none	Score	157
Exons	78..269, 78..266, 1112..1411, 1134..1415, 1158..1439, 1210..1446		

Seq. No.	20218	Seq. ID	OJ990326_08.9C10.C30
Gene No.	42292	Strand	+
Start	1	End	2859
Name	OJ990326_08.9C10.C30.o1.gs	Method	GENSCAN
Start	81	End	2752
GI	none	Score	.84
Exons	81..266, 1134..1594, 1810..1968, 2048..2402, 2510..2752		

Seq. No.	20218	Seq. ID	OJ990326_08.9C10.C30
Gene No.	42292	Strand	+
Start	1	End	2859
Name	OJ990326_08.9C10.C30.o1.ts	Method	TBLASTX:Soybean
Start	120	End	2566
GI	none	Score	87
Exons	120..266, 182..268, 183..269, 1112..1411, 1134..1415, 1146..1589, 1286..1498, 1300..1587, 1479..1595, 1808..1969, 1879..1971, 2048..2260, 2049..2261, 2304..2405, 2507..2566		

Seq. No.	20218	Seq. ID	OJ990326_08.9C10.C30
Gene No.	42292	Strand	+
Start	1	End	2859
Name	OJ990326_08.9C10.C30.o2.tm	Method	TBLASTX:Maize
Start	1133	End	1445
GI	none	Score	355
Exons	1133..1411, 1134..1415, 1149..1445		

Seq. No.	20218	Seq. ID	OJ990326_08.9C10.C30
Gene No.	42292	Strand	+
Start	1	End	2859
Name	OJ990326_08.9C10.C30.o1.tm	Method	TBLASTX:Maize
Start	1874	End	2255
GI	none	Score	174
Exons	1874..1966, 1874..1975, 1876..1971, 2045..2227, 2046..2228, 2047..2229, 2229..2255		

Seq. No.	20218	Seq. ID	OJ990326_08.9C10.C30
Gene No.	42292	Strand	+
Start	1	End	2859

Name	OJ990326_08.9C10.C30.o1.tc	Method	TBLASTX:Cress
Start	1877	End	2665
GI	none	Score	110
Exons	1877..1969, 1912..1971, 2047..2247, 2047..2259, 2048..2260, 2049..2270, 2301..2405, 2303..2401, 2507..2563, 2509..2562, 2582..2665, 2584..2664		

Seq. No.	20218	Seq. ID	OJ990326_08.9C10.C30
Gene No.	42292	Strand	+
Start	1	End	2859
Name	OJ990326_08.9C10.C30.o1.gp	Method	AAT/GAP
Start	2535	End	2859
GI	95527_1.R1084	Score	624
Exons	2535..2859		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	20219	Seq. ID	OJ990326_08.9C10.C32
Gene No.	42293	Strand	+
Start	26	End	341
Name	OJ990326_08.9C10.C32.o1.gs	Method	GENSCAN
Start	26	End	341
GI	none	Score	.96
Exons	26..41, 115..341		

Seq. No.	20219	Seq. ID	OJ990326_08.9C10.C32
Gene No.	42294	Strand	+
Start	2051	End	4620
Name	OJ990326_08.9C10.C32.o1.np	Method	AAT/NAP
Start	2051	End	4620
GI	2498982	Score	117
Exons	2051..2308, 4576..4620		
GI Descrip.	TRANSCRIPTION INITIATION FACTOR TFIID 31 KD SUBUNIT (TAFII-31) (TAFII-32) (TAFII32) (NEURONAL CELL DEATH RELATED GENE IN NEURON -7) (DN-7) gi|1103900 (U40188) induced upon programmed cell death in neuronally differentiated PC12 cells [Rattus norvegicus]		

Seq. No.	20219	Seq. ID	OJ990326_08.9C10.C32
Gene No.	42295	Strand	+
Start	8459	End	11940
Name	OJ990326_08.9C10.C32.o2.tm	Method	TBLASTX:Maize
Start	2066	End	4743
GI	none	Score	242
Exons	2066..2299, 2066..2272, 2146..2298, 4579..4743		

Seq. No.	20219	Seq. ID	OJ990326_08.9C10.C32
Gene No.	42295	Strand	+
Start	8459	End	11940
Name	OJ990326_08.9C10.C32.o1.tm	Method	TBLASTX:Maize
Start	8455	End	9055
GI	none	Score	205
Exons	8455..8622, 8459..8602, 8590..8736, 8591..8761, 8836..8907, 8837..8908, 8909..9031, 8913..8936, 8966..9055		

Seq. No.	20219	Seq. ID	OJ990326_08.9C10.C32
Gene No.	42295	Strand	+

Start	8459	End	11940
Name	OJ990326_08.9C10.C32.o3.gs	Method	GENSCAN
Start	8459	End	11940
GI	none	Score	.92
Exons	8459..9103, 9581..9601, 9857..9952, 10380..10480, 10936..11044, 11274..11420, 11461..11940		

Seq. No.	20219	Seq. ID	OJ990326_08.9C10.C32
Gene No.	42295	Strand	+
Start	8459	End	11940
Name	OJ990326_08.9C10.C32.o1.ts	Method	TBLASTX:Soybean
Start	8585	End	8908
GI	none	Score	161
Exons	8585..8749, 8608..8670, 8837..8908		

Seq. No.	20219	Seq. ID	OJ990326_08.9C10.C32
Gene No.	42295	Strand	+
Start	8459	End	11940
Name	OJ990326_08.9C10.C32.o1.tc	Method	TBLASTX:Cress
Start	8618	End	9010
GI	none	Score	156
Exons	8618..8740, 8620..8658, 8836..8874, 8837..8881, 8892..8924, 8897..9010		

Seq. No.	20219	Seq. ID	OJ990326_08.9C10.C32
Gene No.	42295	Strand	+
Start	8459	End	11940
Name	OJ990326_08.9C10.C32.o3.tm	Method	TBLASTX:Maize
Start	9055	End	10369
GI	none	Score	102
Exons	9055..9102, 9854..9955, 9856..9954, 10046..10123, 10048..10116, 10246..10368, 10267..10368, 10268..10369		

Seq. No.	20220	Seq. ID	OJ990326_08.9C10.C33
Gene No.	42296	Strand	+
Start	5606	End	9025
Name	OJ990326_08.9C10.C33.o1.np	Method	AAT/NAP
Start	5606	End	9025
GI	4378066	Score	1143
Exons	5606..6001, 6494..9025		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	20220	Seq. ID	OJ990326_08.9C10.C33
Gene No.	42296	Strand	+
Start	5606	End	9025
Name	OJ990326_08.9C10.C33.o1.gp	Method	AAT/GAP
Start	7852	End	8121
GI	uC-osf1M202098c02b1	Score	446
Exons	7852..8121		
GI Descrip.	'4378066/gb|AAD19359.1| 2.0e-13 (AF098806) polyprotein [Sorghum bicolor] >gi_4680208_gb_AAD27571.1_AF114171_12 (AF114171) polyprotein [Sorghum bicolor]'		

Seq. No.	20220	Seq. ID	OJ990326_08.9C10.C33
Gene No.	42297	Strand	-

Start	866	End	1551
Name	OJ990326_08.9C10.C33.o1.gs	Method	GENSCAN
Start	866	End	1551
GI	none	Score	.41
Exons	866..1143, 1242..1551		

Seq. No.	20220	Seq. ID	OJ990326_08.9C10.C33
Gene No.	42298	Strand	
Start	6625	End	6915
Name	OJ990326_08.9C10.C33.o4.tw	Method	TBLASTX:Wheat
Start	6625	End	6915
GI	none	Score	188
Exons	6625..6915, 6723..6899		

Seq. No.	20220	Seq. ID	OJ990326_08.9C10.C33
Gene No.	42299	Strand	
Start	7756	End	8115
Name	OJ990326_08.9C10.C33.o3.tw	Method	TBLASTX:Wheat
Start	7756	End	8115
GI	none	Score	92
Exons	7756..7887, 7893..8114, 7894..8115		

Seq. No.	20220	Seq. ID	OJ990326_08.9C10.C33
Gene No.	42300	Strand	
Start	8320	End	8808
Name	OJ990326_08.9C10.C33.o1.tw	Method	TBLASTX:Wheat
Start	8320	End	8772
GI	none	Score	43
Exons	8320..8382, 8384..8767, 8416..8772		

Seq. No.	20220	Seq. ID	OJ990326_08.9C10.C33
Gene No.	42300	Strand	
Start	8320	End	8808
Name	OJ990326_08.9C10.C33.o1.tm	Method	TBLASTX:Maize
Start	8452	End	8808
GI	none	Score	379
Exons	8452..8766, 8453..8767, 8758..8808		

Seq. No.	20220	Seq. ID	OJ990326_08.9C10.C33
Gene No.	42301	Strand	
Start	8773	End	9024
Name	OJ990326_08.9C10.C33.o2.tw	Method	TBLASTX:Wheat
Start	8773	End	9024
GI	none	Score	199
Exons	8773..8928, 8775..8846, 8905..9024		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42302	Strand	+
Start	1	End	2264
Name	OJ990326_08.9C10.C34.o1.np	Method	AAT/NAP
Start	1	End	2261
GI	4206306	Score	1895
Exons	1..2261		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42302	Strand	+

Start	1	End	2264
Name	OJ990326_08.9C10.C34.o1.gs	Method	GENSCAN
Start	49	End	2264
GI	none	Score	.43
Exons	49..1016, 1210..1283, 1433..2264		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o3.tw	Method	TBLASTX:Wheat
Start	9	End	344
GI	none	Score	76
Exons	9..134, 219..344, 224..337		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o1.ts	Method	TBLASTX:Soybean
Start	399	End	772
GI	none	Score	225
Exons	399..767, 419..772		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o1.tw	Method	TBLASTX:Wheat
Start	410	End	842
GI	none	Score	325
Exons	410..511, 411..842, 551..841		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o4.tm	Method	TBLASTX:Maize
Start	777	End	989
GI	none	Score	180
Exons	777..989, 777..905		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o1.tm	Method	TBLASTX:Maize
Start	1041	End	1499
GI	none	Score	375
Exons	1041..1499, 1104..1316, 1139..1360		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o2.tw	Method	TBLASTX:Wheat
Start	1149	End	1532
GI	none	Score	253
Exons	1149..1532, 1196..1360, 1415..1456		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288

Name	OJ990326_08.9C10.C34.o2.ts	Method	TBLASTX:Soybean
Start	1311	End	1685
GI	none	Score	98
Exons	1311..1460, 1340..1459, 1457..1678, 1461..1685		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o2.tm	Method	TBLASTX:Maize
Start	1499	End	1670
GI	none	Score	221
Exons	1499..1657, 1500..1670, 1500..1661		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o3.tm	Method	TBLASTX:Maize
Start	1701	End	1943
GI	none	Score	185
Exons	1701..1943		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o5.tm	Method	TBLASTX:Maize
Start	1950	End	2210
GI	none	Score	178
Exons	1950..2210, 2051..2185		

Seq. No.	20221	Seq. ID	OJ990326_08.9C10.C34
Gene No.	42303	Strand	-
Start	2950	End	3288
Name	OJ990326_08.9C10.C34.o2.gs	Method	GENSCAN
Start	2950	End	3288
GI	none	Score	.53
Exons	2950..3288		

Seq. No.	20222	Seq. ID	OJ990326_08.9C10.C35
Gene No.	42304	Strand	+
Start	2949	End	3230
Name	OJ990326_08.9C10.C35.o2.gs	Method	GENSCAN
Start	2949	End	3230
GI	none	Score	.69
Exons	2949..3230		

Seq. No.	20222	Seq. ID	OJ990326_08.9C10.C35
Gene No.	42305	Strand	-
Start	81	End	2565
Name	OJ990326_08.9C10.C35.o1.gs	Method	GENSCAN
Start	81	End	2565
GI	none	Score	.79
Exons	81..572, 658..1640, 1728..2565		

Seq. No.	20222	Seq. ID	OJ990326_08.9C10.C35
Gene No.	42306	Strand	-
Start	4005	End	5350
Name	OJ990326_08.9C10.C35.o3.gs	Method	GENSCAN

Start	4005	End	5350
GI	none	Score	.87
Exons	4005..4035, 4127..4312, 4441..4622, 4901..4917, 5299..5350		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42307	Strand	+
Start	1568	End	4104
Name	OJ990326_08.9C10.C36.o1.gs	Method	GENSCAN
Start	1568	End	4104
GI	none	Score	.46
Exons	1568..1926, 3390..3598, 3865..3959, 3997..4104		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42308	Strand	+
Start	10653	End	14540
Name	OJ990326_08.9C10.C36.o3.gs	Method	GENSCAN
Start	10653	End	14458
GI	none	Score	.9
Exons	10653..10686, 11375..11449, 11482..11596, 12367..12577, 12633..14458		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42308	Strand	+
Start	10653	End	14540
Name	OJ990326_08.9C10.C36.o3.np	Method	AAT/NAP
Start	11873	End	14540
GI	5922631	Score	412
Exons	11873..12028, 13308..13731, 13774..14032, 14255..14540		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42308	Strand	+
Start	10653	End	14540
Name	OJ990326_08.9C10.C36.o2.np	Method	AAT/NAP
Start	12007	End	14047
GI	5042454	Score	2446
Exons	12007..12157, 12471..12577, 12633..14047		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42309	Strand	-
Start	5428	End	6207
Name	OJ990326_08.9C10.C36.o2.gs	Method	GENSCAN
Start	5428	End	6207
GI	none	Score	.94
Exons	5428..6207		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42309	Strand	-
Start	5428	End	6207
Name	OJ990326_08.9C10.C36.o1.np	Method	AAT/NAP

Start	5434	End	6150
GI	4895204	Score	153
Exons	5434..6150		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42309	Strand	-
Start	5428	End	6207
Name	OJ990326_08.9C10.C36.o1.tm	Method	TBLASTX:Maize
Start	5873	End	6166
GI	none	Score	297
Exons	5873..6166, 5875..6165		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42310	Strand	
Start	13305	End	13697
Name	OJ990326_08.9C10.C36.o1.tw	Method	TBLASTX:Wheat
Start	13305	End	13697
GI	none	Score	58
Exons	13305..13352, 13359..13457, 13376..13456, 13424..13585, 13440..13697		

Seq. No.	20223	Seq. ID	OJ990326_08.9C10.C36
Gene No.	42310	Strand	
Start	13305	End	13697
Name	OJ990326_08.9C10.C36.o2.tm	Method	TBLASTX:Maize
Start	13310	End	13595
GI	none	Score	193
Exons	13310..13594, 13347..13595		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42311	Strand	+
Start	190	End	4451
Name	OJ990326_08.9C10.C37.o1.np	Method	AAT/NAP
Start	190	End	4451
GI	6498441	Score	5192
Exons	190..659, 723..1096, 1280..1414, 1589..1877, 2071..2507, 2679..4076, 4170..4451		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o3.tw	Method	TBLASTX:Wheat
Start	80	End	563
GI	none	Score	416
Exons	80..253, 81..563, 275..535		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o1.tw	Method	TBLASTX:Wheat
Start	731	End	1193
GI	none	Score	588
Exons	731..1192, 732..1193		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o3.ts	Method	TBLASTX:Soybean
Start	771	End	1136
GI	none	Score	117
Exons	771..995, 1002..1136		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o1.tm	Method	TBLASTX:Maize
Start	861	End	1217
GI	none	Score	388
Exons	861..1217, 896..1204		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o3.tm	Method	TBLASTX:Maize
Start	1244	End	1628
GI	none	Score	360
Exons	1244..1609, 1245..1628		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o2.tw	Method	TBLASTX:Wheat
Start	1301	End	1726
GI	none	Score	486
Exons	1301..1726, 1302..1721		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o1.ts	Method	TBLASTX:Soybean
Start	1380	End	1751
GI	none	Score	278
Exons	1380..1751, 1397..1540		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o5.tw	Method	TBLASTX:Wheat
Start	2351	End	2813
GI	none	Score	210
Exons	2351..2416, 2409..2603, 2444..2617, 2664..2813, 2673..2810, 2675..2812		

Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o2.ts	Method	TBLASTX:Soybean
Start	2502	End	3068
GI	5666795	Score	68
Exons	2502..2600, 2676..2813, 2868..3068		

GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o7.tw	Method	TBLASTX:Wheat
Start	2816	End	3128
GI	none	Score	192
Exons	2816..2992, 2868..3128		
Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o2.tm	Method	TBLASTX:Maize
Start	3321	End	3664
GI	none	Score	366
Exons	3321..3653, 3350..3661, 3353..3664		
Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o4.tw	Method	TBLASTX:Wheat
Start	3458	End	3839
GI	none	Score	367
Exons	3458..3514, 3459..3839, 3560..3808		
Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o6.tw	Method	TBLASTX:Wheat
Start	3840	End	4442
GI	none	Score	265
Exons	3840..4124, 3841..4131, 3845..4123, 4317..4442, 4370..4438		
Seq. No.	20224	Seq. ID	OJ990326_08.9C10.C37
Gene No.	42312	Strand	-
Start	5077	End	5597
Name	OJ990326_08.9C10.C37.o2.np	Method	AAT/NAP
Start	5077	End	5597
GI	5803259	Score	661
Exons	5077..5597		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	20225	Seq. ID	OJ990326_08.9C10.C38
Gene No.	42313	Strand	-
Start	1	End	511
Name	OJ990326_08.9C10.C38.o1.np	Method	AAT/NAP
Start	1	End	511
GI	6539586	Score	645
Exons	1..511		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	20225	Seq. ID	OJ990326_08.9C10.C38
Gene No.	42313	Strand	-
Start	1	End	511
Name	OJ990326_08.9C10.C38.o1.gs	Method	GENSCAN
Start	73	End	419

GI	none	Score	.53
Exons	73..419		

Seq. No.	20226	Seq. ID	OJ990326_08.9C10.C39
Gene No.	42314	Strand	-
Start	548	End	554
Name	OJ990326_08.9C10.C39.o1.gs	Method	GENSCAN
Start	548	End	554
GI	none	Score	.88
Exons	548..554		

Seq. No.	20227	Seq. ID	OJ990326_08.9C10.C42
Gene No.	42315	Strand	+
Start	1	End	583
Name	OJ990326_08.9C10.C42.o1.np	Method	AAT/NAP
Start	1	End	583
GI	6907089	Score	958
Exons	1..583		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20227	Seq. ID	OJ990326_08.9C10.C42
Gene No.	42315	Strand	+
Start	1	End	583
Name	OJ990326_08.9C10.C42.o1.gs	Method	GENSCAN
Start	56	End	400
GI	none	Score	.88
Exons	56..231, 236..400		

Seq. No.	20228	Seq. ID	OJ990326_08.9C10.C45
Gene No.	42316	Strand	+
Start	35	End	42
Name	OJ990326_08.9C10.C45.o1.gs	Method	GENSCAN
Start	35	End	42
GI	none	Score	.91
Exons	35..42		

Seq. No.	20229	Seq. ID	OJ990326_01.9C01.C1
Gene No.	42317	Strand	+
Start	49	End	176
Name	OJ990326_01.9C01.C1.o1.gs	Method	GENSCAN
Start	49	End	176
GI	none	Score	.67
Exons	49..176		

Seq. No.	20230	Seq. ID	OJ990326_01.9C01.C3
Gene No.	42318	Strand	+
Start	641	End	2460
Name	OJ990326_01.9C01.C3.o1.np	Method	AAT/NAP
Start	641	End	2460
GI	1431870	Score	129
Exons	641..670, 2251..2460		
GI Descrip.	(U43904) ent-kaurene synthase B [Cucurbita maxima]		

Seq. No.	20231	Seq. ID	OJ990326_01.9C01.C4
Gene No.	42319	Strand	+
Start	1	End	1788
Name	OJ990326_01.9C01.C4.o1.np	Method	AAT/NAP

Start	1	End	1788
GI	4959239	Score	329
Exons	1..221, 338..458, 573..706, 846..902, 1440..1612, 1764..1788		
GI Descrip.	(AF097310) kaurene synthase [Stevia rebaudiana]		

Seq. No.	20231	Seq. ID	OJ990326_01.9C01.C4
Gene No.	42319	Strand	+
Start	1	End	1788
Name	OJ990326_01.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	455
GI	none	Score	173
Exons	2..211, 34..147, 47..211, 307..450, 336..455		

Seq. No.	20231	Seq. ID	OJ990326_01.9C01.C4
Gene No.	42319	Strand	+
Start	1	End	1788
Name	OJ990326_01.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	5	End	884
GI	none	Score	153
Exons	5..211, 28..147, 47..196, 337..459, 571..666, 783..884		

Seq. No.	20231	Seq. ID	OJ990326_01.9C01.C4
Gene No.	42319	Strand	+
Start	1	End	1788
Name	OJ990326_01.9C01.C4.o1.gs	Method	GENSCAN
Start	41	End	1666
GI	none	Score	.81
Exons	41..221, 338..458, 573..670, 1536..1666		

Seq. No.	20231	Seq. ID	OJ990326_01.9C01.C4
Gene No.	42319	Strand	+
Start	1	End	1788
Name	OJ990326_01.9C01.C4.o2.np	Method	AAT/NAP
Start	765	End	1788
GI	4959322	Score	120
Exons	765..967, 1505..1638, 1745..1788		
GI Descrip.	(AF105149) kaurene synthase [Zea mays]		

Seq. No.	20232	Seq. ID	OJ990326_01.9C01.C5
Gene No.	42320	Strand	+
Start	1	End	1569
Name	OJ990326_01.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	1569
GI	4835764	Score	462
Exons	1..207, 317..406, 508..717, 800..941, 1032..1569		
GI Descrip.	(AC007202) Identical to gb|AF034774 ent-kaurene synthase (GA2) from Arabidopsis thaliana.		

Seq. No.	20232	Seq. ID	OJ990326_01.9C01.C5
Gene No.	42320	Strand	+
Start	1	End	1569
Name	OJ990326_01.9C01.C5.o1.gs	Method	GENSCAN
Start	89	End	1409
GI	none	Score	.77
Exons	89..219, 275..406, 577..717, 800..941, 1032..1301, 1337..1409		

Seq. No.	20232	Seq. ID	OJ990326_01.9C01.C5

Gene No.	42320	Strand	+
Start	1	End	1569
Name	OJ990326_01.9C01.C5.o1.tc	Method	TBLASTX:Cress
Start	317	End	1322
GI	none	Score	68
Exons	317..409, 318..407, 502..594, 503..604, 608..724, 620..700, 798..938, 1098..1322, 1103..1321		

Seq. No.	20232	Seq. ID	OJ990326_01.9C01.C5
Gene No.	42320	Strand	+
Start	1	End	1569
Name	OJ990326_01.9C01.C5.o1.gp	Method	AAT/GAP
Start	1202	End	1451
GI	2797926	Score	391
Exons	1202..1451		

Seq. No.	20233	Seq. ID	OJ990326_01.9C01.C6
Gene No.	42321	Strand	-
Start	374	End	919
Name	OJ990326_01.9C01.C6.o1.gs	Method	GENSCAN
Start	374	End	919
GI	none	Score	.46
Exons	374..387, 773..805, 910..919		

Seq. No.	20234	Seq. ID	OJ990326_01.9C01.C9
Gene No.	42322	Strand	+
Start	113	End	196
Name	OJ990326_01.9C01.C9.o1.gs	Method	GENSCAN
Start	113	End	196
GI	none	Score	.51
Exons	113..196		

Seq. No.	20235	Seq. ID	OJ990326_01.9C01.C13
Gene No.	42323	Strand	+
Start	1	End	763
Name	OJ990326_01.9C01.C13.o1.np	Method	AAT/NAP
Start	1	End	763
GI	4544447	Score	202
Exons	1..105, 599..763		
GI Descrip.	(AC006592) putative GTP cyclohydrolase [Arabidopsis thaliana]		

Seq. No.	20235	Seq. ID	OJ990326_01.9C01.C13
Gene No.	42323	Strand	+
Start	1	End	763
Name	OJ990326_01.9C01.C13.o1.tc	Method	TBLASTX:Cress
Start	598	End	762
GI	none	Score	78
Exons	598..663, 599..655, 642..761, 655..762, 660..761		

Seq. No.	20235	Seq. ID	OJ990326_01.9C01.C13
Gene No.	42323	Strand	+
Start	1	End	763
Name	OJ990326_01.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	598	End	762
GI	none	Score	68
Exons	598..651, 598..654, 599..655, 605..757, 624..761, 646..762, 646..759, 657..761		

Seq. No.	20235	Seq. ID	OJ990326_01.9C01.C13
Gene No.	42323	Strand	+
Start	1	End	763
Name	OJ990326_01.9C01.C13.o1.tw	Method	TBLASTX:Wheat
Start	598	End	763
GI	none	Score	93
Exons	598..654, 599..655, 606..761,	646..762, 656..763, 657..761	

Seq. No.	20235	Seq. ID	OJ990326_01.9C01.C13
Gene No.	42323	Strand	+
Start	1	End	763
Name	OJ990326_01.9C01.C13.o1.ts	Method	TBLASTX:Soybean
Start	598	End	762
GI	none	Score	74
Exons	598..663, 599..655, 646..762,	660..755	

Seq. No.	20235	Seq. ID	OJ990326_01.9C01.C13
Gene No.	42323	Strand	+
Start	1	End	763
Name	OJ990326_01.9C01.C13.o1.gp	Method	AAT/GAP
Start	599	End	763
GI	uC-osflcyp023b06b1	Score	281
Exons	599..763		
GI Descrip.	'2462925/emb|CAA03884| 7.0e-28 (AJ000053) GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phoshate synthase [Arabidopsis thaliana]'		

Seq. No.	20236	Seq. ID	OJ990326_01.9C01.C14
Gene No.	42324	Strand	-
Start	1	End	238
Name	OJ990326_01.9C01.C14.o1.np	Method	AAT/NAP
Start	1	End	238
GI	4959322	Score	78
Exons	1..238		
GI Descrip.	(AF105149) kaurene synthase [Zea mays]		

Seq. No.	20237	Seq. ID	OJ990326_01.9C01.C16
Gene No.	42325	Strand	+
Start	1	End	760
Name	OJ990326_01.9C01.C16.o1.np	Method	AAT/NAP
Start	1	End	760
GI	5689255	Score	370
Exons	1..141, 512..760		
GI Descrip.	(AB024337) blue-light photoreceptor [Oryza sativa]		

Seq. No.	20237	Seq. ID	OJ990326_01.9C01.C16
Gene No.	42325	Strand	+
Start	1	End	760
Name	OJ990326_01.9C01.C16.o1.tc	Method	TBLASTX:Cress
Start	513	End	729
GI	none	Score	207
Exons	513..677, 514..729		

Seq. No.	20237	Seq. ID	OJ990326_01.9C01.C16
Gene No.	42325	Strand	+
Start	1	End	760

Name	OJ990326_01.9C01.C16.o1.ts	Method	TBLASTX:Soybean
Start	513	End	732
GI	none	Score	235
Exons	513..683, 514..687, 514..690, 688..732		

Seq. No.	20237	Seq. ID	OJ990326_01.9C01.C16
Gene No.	42325	Strand	+
Start	1	End	760
Name	OJ990326_01.9C01.C16.o1.tm	Method	TBLASTX:Maize
Start	514	End	717
GI	none	Score	340
Exons	514..717, 514..717, 605..664		

Seq. No.	20237	Seq. ID	OJ990326_01.9C01.C16
Gene No.	42325	Strand	+
Start	1	End	760
Name	OJ990326_01.9C01.C16.o1.gp	Method	AAT/GAP
Start	515	End	760
GI	96_1.R1084	Score	460
Exons	515..760		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	20237	Seq. ID	OJ990326_01.9C01.C16
Gene No.	42325	Strand	+
Start	1	End	760
Name	OJ990326_01.9C01.C16.o1.gs	Method	GENSCAN
Start	515	End	749
GI	none	Score	.95
Exons	515..749		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o1.np	Method	AAT/NAP
Start	1	End	1959
GI	5689255	Score	2869
Exons	1..70, 185..1116, 1206..1959		
GI Descrip.	(AB024337) blue-light photoreceptor [Oryza sativa]		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o1.tc	Method	TBLASTX:Cress
Start	186	End	1448
GI	none	Score	207
Exons	186..350, 187..402, 424..1113, 495..1061, 880..1110, 1206..1448, 1211..1384		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o3.tm	Method	TBLASTX:Maize
Start	186	End	375
GI	none	Score	313
Exons	186..374, 187..375, 278..361		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o1.ts	Method	TBLASTX:Soybean
Start	187	End	1490
GI	none	Score	1128
Exons	187..1119, 253..357, 423..1061, 880..1116, 1203..1490, 1211..1393		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o1.gp	Method	AAT/GAP
Start	188	End	2377
GI	96_1.R1084	Score	3708
Exons	188..1116, 1206..2063, 2241..2377		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o1.gs	Method	GENSCAN
Start	188	End	2046
GI	none	Score	.74
Exons	188..1116, 1206..1600, 1609..2046		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o2.tm	Method	TBLASTX:Maize
Start	376	End	858
GI	none	Score	512
Exons	376..858, 423..851		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o1.tw	Method	TBLASTX:Wheat
Start	889	End	1388
GI	none	Score	413
Exons	889..1116, 892..1140, 1200..1373, 1202..1384, 1203..1388		

Seq. No.	20238	Seq. ID	OJ990326_01.9C01.C17
Gene No.	42326	Strand	+
Start	1	End	2377
Name	OJ990326_01.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	930	End	1480
GI	none	Score	333
Exons	930..1061, 934..1140, 937..1116, 1203..1436, 1205..1393, 1207..1428, 1425..1478, 1449..1478, 1454..1480		

Seq. No.	20239	Seq. ID	OJ990326_01.9C01.C18
Gene No.	42327	Strand	+
Start	210	End	342
Name	OJ990326_01.9C01.C18.o1.gs	Method	GENSCAN
Start	210	End	342

GI	none	Score	.43
Exons	210..342		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42328	Strand	+
Start	484	End	4805
Name	OJ990326_01.9C01.C19.o1.gs	Method	GENSCAN
Start	484	End	4805
GI	none	Score	.66
Exons	484..546, 1408..1542, 1654..1720, 2264..2390, 2475..2763, 3107..3146, 4418..4556, 4736..4805		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42329	Strand	+
Start	5396	End	7922
Name	OJ990326_01.9C01.C19.o2.gs	Method	GENSCAN
Start	5396	End	6550
GI	none	Score	.9
Exons	5396..6550		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42329	Strand	+
Start	5396	End	7922
Name	OJ990326_01.9C01.C19.o2.np	Method	AAT/NAP
Start	5633	End	7922
GI	3170601	Score	179
Exons	5633..6313, 7893..7922		
GI Descrip.	(AF058757) zinc finger protein ID1 [Zea mays]		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42329	Strand	+
Start	5396	End	7922
Name	OJ990326_01.9C01.C19.o1.np	Method	AAT/NAP
Start	5672	End	6323
GI	4038043	Score	194
Exons	5672..6323		
GI Descrip.	(AC005936) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42329	Strand	+
Start	5396	End	7922
Name	OJ990326_01.9C01.C19.o1.gp	Method	AAT/GAP
Start	5998	End	6437
GI	uC-osflcyp014c11b1	Score	854
Exons	5998..6437		
GI Descrip.	'4836934/gb|AAD30636.1|AC006085_9 2.0e-12 (AC006085) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42330	Strand	-
Start	8579	End	8904
Name	OJ990326_01.9C01.C19.o2.gp	Method	AAT/GAP
Start	8339	End	8607
GI	none	Score	441
Exons	8339..8607		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42330	Strand	-
Start	8579	End	8904
Name	OJ990326_01.9C01.C19.o3.gs	Method	GENSCAN
Start	8579	End	8904
GI	none	Score	.89
Exons	8579..8703, 8736..8904		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42331	Strand	-
Start	9980	End	10310
Name	OJ990326_01.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	5843	End	6573
GI	none	Score	304
Exons	5843..6034, 5908..6033, 6016..6129, 6019..6366, 6020..6457, 6320..6421, 6395..6556, 6438..6551, 6451..6573, 6463..6555, 6482..6568		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42331	Strand	-
Start	9980	End	10310
Name	OJ990326_01.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	5858	End	6336
GI	none	Score	214
Exons	5858..6037, 5914..6018, 6053..6199, 6058..6204, 6197..6250, 6257..6334, 6259..6336		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42331	Strand	-
Start	9980	End	10310
Name	OJ990326_01.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	5858	End	6199
GI	none	Score	382
Exons	5858..6199, 5911..6018		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42331	Strand	-
Start	9980	End	10310
Name	OJ990326_01.9C01.C19.o2.ts	Method	TBLASTX:Soybean
Start	6200	End	6346
GI	none	Score	65
Exons	6200..6253, 6257..6346, 6259..6345		

Seq. No.	20240	Seq. ID	OJ990326_01.9C01.C19
Gene No.	42331	Strand	-
Start	9980	End	10310
Name	OJ990326_01.9C01.C19.o4.gs	Method	GENSCAN
Start	9980	End	10310
GI	none	Score	.71
Exons	9980..10092, 10209..10310		

Seq. No.	20241	Seq. ID	OJ990326_01.9C01.C20
Gene No.	42332	Strand	+
Start	58	End	1956
Name	OJ990326_01.9C01.C20.o1.gs	Method	GENSCAN
Start	58	End	1956
GI	none	Score	.55

Exons	58..78, 518..710, 1003..1139, 1539..1594, 1774..1956		
Seq. No.	20242	Seq. ID	OJ990326_01.9C01.C21
Gene No.	42333	Strand	+
Start	1605	End	2048
Name	OJ990326_01.9C01.C21.o1.gp	Method	AAT/GAP
Start	1605	End	2048
GI	none	Score	868
Exons	1605..2048		
Seq. No.	20242	Seq. ID	OJ990326_01.9C01.C21
Gene No.	42334	Strand	-
Start	2080	End	2547
Name	OJ990326_01.9C01.C21.o2.gp	Method	AAT/GAP
Start	2080	End	2547
GI	none	Score	932
Exons	2080..2547		
Seq. No.	20242	Seq. ID	OJ990326_01.9C01.C21
Gene No.	42335	Strand	-
Start	2557	End	2857
Name	OJ990326_01.9C01.C21.o3.gp	Method	AAT/GAP
Start	2557	End	2857
GI	none	Score	570
Exons	2557..2857		
Seq. No.	20242	Seq. ID	OJ990326_01.9C01.C21
Gene No.	42336	Strand	-
Start	3141	End	3442
Name	OJ990326_01.9C01.C21.o2.gs	Method	GENSCAN
Start	3141	End	3442
GI	none	Score	.65
Exons	3141..3240, 3354..3442		
Seq. No.	20243	Seq. ID	OJ990326_01.9C01.C22
Gene No.	42337	Strand	+
Start	383	End	763
Name	OJ990326_01.9C01.C22.o1.gs	Method	GENSCAN
Start	383	End	763
GI	none	Score	.96
Exons	383..763		
Seq. No.	20243	Seq. ID	OJ990326_01.9C01.C22
Gene No.	42338	Strand	+
Start	7831	End	13228
Name	OJ990326_01.9C01.C22.o1.np	Method	AAT/NAP
Start	7831	End	11069
GI	5852093	Score	56
Exons	7831..7860, 9107..9362, 11046..11069		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	20243	Seq. ID	OJ990326_01.9C01.C22
Gene No.	42338	Strand	+
Start	7831	End	13228
Name	OJ990326_01.9C01.C22.o3.gs	Method	GENSCAN
Start	9628	End	13228
GI	none	Score	.73

Exons	9628..9788, 9825..9934, 13047..13228		
Seq. No.	20243	Seq. ID	OJ990326_01.9C01.C22
Gene No.	42339	Strand	+
Start	13492	End	13896
Name	OJ990326_01.9C01.C22.o1.gp	Method	AAT/GAP
Start	13492	End	13896
GI	568363	Score	775
Exons	13492..13896		
Seq. No.	20243	Seq. ID	OJ990326_01.9C01.C22
Gene No.	42340	Strand	-
Start	5422	End	8273
Name	OJ990326_01.9C01.C22.o2.gs	Method	GENSCAN
Start	5422	End	8273
GI	none	Score	.64
Exons	5422..5547, 6268..6368, 6705..6775, 7939..8014, 8261..8273		
Seq. No.	20243	Seq. ID	OJ990326_01.9C01.C22
Gene No.	42341	Strand	
Start	13626	End	13891
Name	OJ990326_01.9C01.C22.o1.tm	Method	TBLASTX:Maize
Start	13626	End	13891
GI	none	Score	257
Exons	13626..13673, 13631..13891, 13633..13890, 13715..13891		
Seq. No.	20244	Seq. ID	OJ990326_01.9C01.C23
Gene No.	42342	Strand	+
Start	1	End	1578
Name	OJ990326_01.9C01.C23.o1.np	Method	AAT/NAP
Start	1	End	1578
GI	2462925	Score	313
Exons	1..72, 444..595, 682..946, 1550..1578		
GI Descrip.	(AJ000053) GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phoshate synthase [Arabidopsis thaliana]		
Seq. No.	20244	Seq. ID	OJ990326_01.9C01.C23
Gene No.	42342	Strand	+
Start	1	End	1578
Name	OJ990326_01.9C01.C23.o1.gp	Method	AAT/GAP
Start	64	End	472
GI	568363	Score	775
Exons	64..472		
Seq. No.	20244	Seq. ID	OJ990326_01.9C01.C23
Gene No.	42342	Strand	+
Start	1	End	1578
Name	OJ990326_01.9C01.C23.o1.tm	Method	TBLASTX:Maize
Start	198	End	905
GI	none	Score	246
Exons	198..572, 199..597, 199..603, 200..604, 680..727, 682..903, 683..904, 685..903, 735..905		
Seq. No.	20244	Seq. ID	OJ990326_01.9C01.C23
Gene No.	42342	Strand	+
Start	1	End	1578

Name	OJ990326_01.9C01.C23.o1.gs	Method	GENSCAN
Start	199	End	903
GI	none	Score	.97
Exons	199..595, 682..903		

Seq. No.	20244	Seq. ID	OJ990326_01.9C01.C23
Gene No.	42342	Strand	+
Start	1	End	1578
Name	OJ990326_01.9C01.C23.o1.tc	Method	TBLASTX:Cress
Start	512	End	909
GI	none	Score	92
Exons	512..604, 512..592, 679..891, 685..909, 735..908		

Seq. No.	20244	Seq. ID	OJ990326_01.9C01.C23
Gene No.	42342	Strand	+
Start	1	End	1578
Name	OJ990326_01.9C01.C23.o1.ts	Method	TBLASTX:Soybean
Start	521	End	915
GI	none	Score	101
Exons	521..604, 679..915, 685..915		

Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42343	Strand	+
Start	1	End	2599
Name	OJ990326_01.9C01.C24.o1.np	Method	AAT/NAP
Start	1	End	2587
GI	2462925	Score	1250
Exons	1..96, 300..622, 1079..1208, 1319..1615, 2360..2587		
GI Descrip.	(AJ000053) GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phoshate synthase [Arabidopsis thaliana]		

Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42343	Strand	+
Start	1	End	2599
Name	OJ990326_01.9C01.C24.o1.gp	Method	AAT/GAP
Start	300	End	474
GI	uC-osf1cyp023b06b1	Score	303
Exons	300..474		
GI Descrip.	'2462925/emb|CAA03884| 7.0e-28 (AJ000053) GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phoshate synthase [Arabidopsis thaliana]'		

Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42343	Strand	+
Start	1	End	2599
Name	OJ990326_01.9C01.C24.o1.gs	Method	GENSCAN
Start	300	End	2599
GI	none	Score	.94
Exons	300..622, 1079..1208, 1319..1615, 2360..2599		

Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42343	Strand	+
Start	1	End	2599
Name	OJ990326_01.9C01.C24.o2.gp	Method	AAT/GAP
Start	487	End	1208
GI	4878422	Score	470

Exons	487..622, 1079..1208		
GI Descrip.	2462925/emb|CAA03884| 7.0e-28 (AJ000053) GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phoshate synthase [Arabidopsis thaliana]		
Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o1.tw	Method	TBLASTX:Wheat
Start	299	End	616
GI	none	Score	499
Exons	299..616, 300..614		
Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o3.tm	Method	TBLASTX:Maize
Start	299	End	430
GI	none	Score	220
Exons	299..430, 300..428		
Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o2.tc	Method	TBLASTX:Cress
Start	299	End	482
GI	none	Score	285
Exons	299..481, 300..482		
Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o2.ts	Method	TBLASTX:Soybean
Start	314	End	625
GI	none	Score	447
Exons	314..625, 315..623, 520..624		
Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o2.tm	Method	TBLASTX:Maize
Start	431	End	2560
GI	none	Score	82
Exons	431..481, 432..482, 2358..2555, 2359..2535, 2360..2560		
Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o1.tm	Method	TBLASTX:Maize
Start	483	End	1630
GI	none	Score	83
Exons	483..536, 485..538, 500..628, 501..629, 539..640, 1040..1207, 1046..1207, 1065..1208, 1075..1209, 1075..1209, 1316..1630, 1318..1470, 1322..1618, 1549..1620		
Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-

Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o1.tc	Method	TBLASTX:Cress
Start	486	End	2542
GI	none	Score	178
Exons	486..623, 491..625, 1055..1204, 1077..1208, 1313..1618, 1316..1618, 1549..1620, 2360..2542, 2368..2535		

Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o1.ts	Method	TBLASTX:Soybean
Start	1313	End	1618
GI	none	Score	485
Exons	1313..1615, 1316..1618		

Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o3.ts	Method	TBLASTX:Soybean
Start	2359	End	2542
GI	none	Score	79
Exons	2359..2535, 2359..2535, 2360..2542		

Seq. No.	20245	Seq. ID	OJ990326_01.9C01.C24
Gene No.	42344	Strand	-
Start	2542	End	3002
Name	OJ990326_01.9C01.C24.o3.gp	Method	AAT/GAP
Start	2542	End	3002
GI	none	Score	817
Exons	2542..3002		

Seq. No.	20246	Seq. ID	OJ990326_01.9C01.C25
Gene No.	42345	Strand	+
Start	1	End	1417
Name	OJ990326_01.9C01.C25.o1.np	Method	AAT/NAP
Start	1	End	1166
GI	6017119	Score	208
Exons	1..79, 685..1166		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	20246	Seq. ID	OJ990326_01.9C01.C25
Gene No.	42345	Strand	+
Start	1	End	1417
Name	OJ990326_01.9C01.C25.o1.gs	Method	GENSCAN
Start	296	End	1417
GI	none	Score	.82
Exons	296..1417		

Seq. No.	20246	Seq. ID	OJ990326_01.9C01.C25
Gene No.	42346	Strand	-
Start	2619	End	3144
Name	OJ990326_01.9C01.C25.o1.tm	Method	TBLASTX:Maize
Start	653	End	903
GI	none	Score	112
Exons	653..754, 658..714, 760..903, 761..895		

Seq. No.	20246	Seq. ID	OJ990326_01.9C01.C25

Gene No.	42346	Strand	-
Start	2619	End	3144
Name	OJ990326_01.9C01.C25.o1.ts	Method	TBLASTX:Soybean
Start	659	End	904
GI	none	Score	287
Exons	659..904, 667..894		

Seq. No.	20246	Seq. ID	OJ990326_01.9C01.C25
Gene No.	42346	Strand	-
Start	2619	End	3144
Name	OJ990326_01.9C01.C25.o1.tc	Method	TBLASTX:Cress
Start	677	End	901
GI	none	Score	225
Exons	677..901		

Seq. No.	20246	Seq. ID	OJ990326_01.9C01.C25
Gene No.	42346	Strand	-
Start	2619	End	3144
Name	OJ990326_01.9C01.C25.o2.gs	Method	GENSCAN
Start	2619	End	3144
GI	none	Score	.78
Exons	2619..2634, 2993..3144		

Seq. No.	20247	Seq. ID	OJ990326_01.9C01.C26
Gene No.	42347	Strand	+
Start	55	End	1474
Name	OJ990326_01.9C01.C26.o1.np	Method	AAT/NAP
Start	55	End	1474
GI	6587837	Score	175
Exons	55..311, 342..634, 1434..1474		
GI Descrip.	(AC006551) Similar to zinc finger protein [Arabidopsis thaliana]		

Seq. No.	20247	Seq. ID	OJ990326_01.9C01.C26
Gene No.	42347	Strand	+
Start	55	End	1474
Name	OJ990326_01.9C01.C26.o1.gs	Method	GENSCAN
Start	58	End	1104
GI	none	Score	1
Exons	58..1104		

Seq. No.	20247	Seq. ID	OJ990326_01.9C01.C26
Gene No.	42347	Strand	+
Start	55	End	1474
Name	OJ990326_01.9C01.C26.o1.tm	Method	TBLASTX:Maize
Start	349	End	567
GI	none	Score	206
Exons	349..567		

Seq. No.	20247	Seq. ID	OJ990326_01.9C01.C26
Gene No.	42347	Strand	+
Start	55	End	1474
Name	OJ990326_01.9C01.C26.o1.ts	Method	TBLASTX:Soybean
Start	421	End	579
GI	none	Score	183
Exons	421..579		

Seq. No.	20247	Seq. ID	OJ990326_01.9C01.C26

Gene No.	42347	Strand	+
Start	55	End	1474
Name	OJ990326_01.9C01.C26.o1.tc	Method	TBLASTX:Cress
Start	436	End	585
GI	none	Score	215
Exons	436..585		

Seq. No.	20248	Seq. ID	OJ990326_01.9C01.C27
Gene No.	42348	Strand	+
Start	164	End	456
Name	OJ990326_01.9C01.C27.o1.gs	Method	GENSCAN
Start	164	End	456
GI	none	Score	.8
Exons	164..456		

Seq. No.	20248	Seq. ID	OJ990326_01.9C01.C27
Gene No.	42349	Strand	-
Start	1	End	1620
Name	OJ990326_01.9C01.C27.o1.np	Method	AAT/NAP
Start	1	End	1620
GI	4512698	Score	403
Exons	1..567, 1569..1620		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	20248	Seq. ID	OJ990326_01.9C01.C27
Gene No.	42349	Strand	-
Start	1	End	1620
Name	OJ990326_01.9C01.C27.o1.tm	Method	TBLASTX:Maize
Start	6	End	191
GI	none	Score	118
Exons	6..191, 10..117, 12..161		

Seq. No.	20248	Seq. ID	OJ990326_01.9C01.C27
Gene No.	42349	Strand	-
Start	1	End	1620
Name	OJ990326_01.9C01.C27.o1.ts	Method	TBLASTX:Soybean
Start	6	End	191
GI	none	Score	104
Exons	6..191, 10..117		

Seq. No.	20249	Seq. ID	OJ990326_01.9C01.C28
Gene No.	42350	Strand	+
Start	162	End	350
Name	OJ990326_01.9C01.C28.o1.gs	Method	GENSCAN
Start	162	End	350
GI	none	Score	.69
Exons	162..350		

Seq. No.	20249	Seq. ID	OJ990326_01.9C01.C28
Gene No.	42351	Strand	+
Start	454	End	560
Name	OJ990326_01.9C01.C28.o1.gp	Method	AAT/GAP
Start	454	End	560
GI	LIB3432-008-P1-K1-F11	Score	111
Exons	454..560		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20249	Seq. ID	OJ990326_01.9C01.C28
Gene No.	42352	Strand	+
Start	4077	End	4145
Name	OJ990326_01.9C01.C28.o2.gp	Method	AAT/GAP
Start	4077	End	4145
GI	LIB3477-003-P1-K1-E9	Score	83
Exons	4077..4145		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20249	Seq. ID	OJ990326_01.9C01.C28
Gene No.	42353	Strand	-
Start	2001	End	3050
Name	OJ990326_01.9C01.C28.o2.gs	Method	GENSCAN
Start	2001	End	3050
GI	none	Score	.98
Exons	2001..3050		

Seq. No.	20249	Seq. ID	OJ990326_01.9C01.C28
Gene No.	42353	Strand	-
Start	2001	End	3050
Name	OJ990326_01.9C01.C28.o1.np	Method	AAT/NAP
Start	2015	End	3045
GI	6729030	Score	291
Exons	2015..2274, 2305..2502, 2530..3045		
GI Descrip.	(AC009177) putative RING-H2 zinc finger protein ATL6 [Arabidopsis thaliana]		

Seq. No.	20249	Seq. ID	OJ990326_01.9C01.C28
Gene No.	42353	Strand	-
Start	2001	End	3050
Name	OJ990326_01.9C01.C28.o1.tc	Method	TBLASTX:Cress
Start	2533	End	2718
GI	none	Score	137
Exons	2533..2718, 2538..2702		

Seq. No.	20249	Seq. ID	OJ990326_01.9C01.C28
Gene No.	42353	Strand	-
Start	2001	End	3050
Name	OJ990326_01.9C01.C28.o1.ts	Method	TBLASTX:Soybean
Start	2544	End	2705
GI	none	Score	88
Exons	2544..2705, 2545..2685		

Seq. No.	20249	Seq. ID	OJ990326_01.9C01.C28
Gene No.	42353	Strand	-
Start	2001	End	3050
Name	OJ990326_01.9C01.C28.o1.tm	Method	TBLASTX:Maize
Start	2547	End	2691
GI	none	Score	87
Exons	2547..2651, 2547..2687, 2548..2691		

Seq. No.	20250	Seq. ID	OJ990326_01.9C01.C29
Gene No.	42354	Strand	+
Start	295	End	756

Name	OJ990326_01.9C01.C29.o1.gs	Method	GENSCAN
Start	295	End	756
GI	none	Score	.6
Exons	295..756		

Seq. No.	20250	Seq. ID	OJ990326_01.9C01.C29
Gene No.	42355	Strand	-
Start	328	End	3638
Name	OJ990326_01.9C01.C29.o1.np	Method	AAT/NAP
Start	328	End	3638
GI	3056725	Score	391
Exons	328..348, 1365..1469, 1768..2030, 2195..2322, 2414..2629, 2774..2860, 3535..3638		
GI Descrip.	(AF034774) ent-kaurene synthase [Arabidopsis thaliana]		

Seq. No.	20250	Seq. ID	OJ990326_01.9C01.C29
Gene No.	42355	Strand	-
Start	328	End	3638
Name	OJ990326_01.9C01.C29.o1.tc	Method	TBLASTX:Cress
Start	1768	End	2859
GI	none	Score	93
Exons	1768..1983, 1775..1987, 2384..2584, 2410..2652, 2764..2859		

Seq. No.	20250	Seq. ID	OJ990326_01.9C01.C29
Gene No.	42355	Strand	-
Start	328	End	3638
Name	OJ990326_01.9C01.C29.o1.tm	Method	TBLASTX:Maize
Start	2218	End	2634
GI	none	Score	74
Exons	2218..2304, 2218..2292, 2393..2485, 2410..2568, 2411..2584, 2568..2603, 2569..2634		

Seq. No.	20250	Seq. ID	OJ990326_01.9C01.C29
Gene No.	42355	Strand	-
Start	328	End	3638
Name	OJ990326_01.9C01.C29.o2.gs	Method	GENSCAN
Start	2389	End	2828
GI	none	Score	.71
Exons	2389..2498, 2774..2828		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42356	Strand	+
Start	193	End	2104
Name	OJ990326_01.9C01.C30.o1.gs	Method	GENSCAN
Start	193	End	2104
GI	none	Score	.76
Exons	193..264, 1628..2104		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42357	Strand	+
Start	2610	End	4147
Name	OJ990326_01.9C01.C30.o1.np	Method	AAT/NAP
Start	2610	End	4147
GI	5915832	Score	855
Exons	2610..4147		
GI Descrip.	CYTOCHROME P450 76C2 gi|2979549|gb|AAC06158.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42357	Strand	+
Start	2610	End	4147
Name	OJ990326_01.9C01.C30.o2.gs	Method	GENSCAN
Start	2610	End	4147
GI	none	Score	.91
Exons	2610..3283, 3346..4147		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42358	Strand	-
Start	5778	End	7210
Name	OJ990326_01.9C01.C30.o1.tc	Method	TBLASTX:Cress
Start	2787	End	4051
GI	none	Score	183
Exons	2787..3140, 3494..3769, 3739..3885, 3749..3886, 3905..4051, 3907..4014		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42358	Strand	-
Start	5778	End	7210
Name	OJ990326_01.9C01.C30.o1.ts	Method	TBLASTX:Soybean
Start	2799	End	4123
GI	none	Score	52
Exons	2799..2927, 2997..3101, 3440..3745, 3668..3712, 3757..3888, 3758..3886, 3883..4020, 3905..4123		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42358	Strand	-
Start	5778	End	7210
Name	OJ990326_01.9C01.C30.o1.tm	Method	TBLASTX:Maize
Start	3440	End	4123
GI	none	Score	208
Exons	3440..3745, 3505..3591, 3757..3876, 3758..3883, 3758..3886, 3905..4123, 3916..4032, 3938..4120		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42358	Strand	-
Start	5778	End	7210
Name	OJ990326_01.9C01.C30.o2.tw	Method	TBLASTX:Wheat
Start	3491	End	3736
GI	none	Score	207
Exons	3491..3736, 3491..3712		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42358	Strand	-
Start	5778	End	7210
Name	OJ990326_01.9C01.C30.o1.tw	Method	TBLASTX:Wheat
Start	3776	End	4063
GI	none	Score	123
Exons	3776..3877, 3781..3867, 3884..4063, 3904..4029		

Seq. No.	20251	Seq. ID	OJ990326_01.9C01.C30
Gene No.	42358	Strand	-
Start	5778	End	7210
Name	OJ990326_01.9C01.C30.o3.gs	Method	GENSCAN
Start	5778	End	7210

GI	none	Score	.54
Exons	5778..5913, 7143..7210		

Seq. No.	20252	Seq. ID	OJ990326_01.9C01.C32
Gene No.	42359	Strand	+
Start	452	End	5135
Name	OJ990326_01.9C01.C32.o1.np	Method	AAT/NAP
Start	452	End	5135
GI	1431870	Score	272
Exons	452..543, 1336..1646, 1755..1935, 5103..5135		
GI Descrip.	(U43904) ent-kaurene synthase B [Cucurbita maxima]		

Seq. No.	20252	Seq. ID	OJ990326_01.9C01.C32
Gene No.	42359	Strand	+
Start	452	End	5135
Name	OJ990326_01.9C01.C32.o1.gs	Method	GENSCAN
Start	1355	End	3464
GI	none	Score	.51
Exons	1355..1646, 1755..1935, 3425..3464		

Seq. No.	20252	Seq. ID	OJ990326_01.9C01.C32
Gene No.	42359	Strand	+
Start	452	End	5135
Name	OJ990326_01.9C01.C32.o2.tm	Method	TBLASTX:Maize
Start	1361	End	1506
GI	none	Score	196
Exons	1361..1504, 1361..1504, 1384..1506, 1408..1506		

Seq. No.	20252	Seq. ID	OJ990326_01.9C01.C32
Gene No.	42359	Strand	+
Start	452	End	5135
Name	OJ990326_01.9C01.C32.o1.tc	Method	TBLASTX:Cress
Start	1376	End	1660
GI	none	Score	183
Exons	1376..1540, 1379..1540, 1562..1660		

Seq. No.	20252	Seq. ID	OJ990326_01.9C01.C32
Gene No.	42359	Strand	+
Start	452	End	5135
Name	OJ990326_01.9C01.C32.o1.tm	Method	TBLASTX:Maize
Start	1522	End	1882
GI	none	Score	146
Exons	1522..1647, 1523..1648, 1736..1882, 1736..1858, 1746..1880, 1753..1881		

Seq. No.	20253	Seq. ID	OJ990326_01.9C01.C35
Gene No.	42360	Strand	+
Start	688	End	883
Name	OJ990326_01.9C01.C35.o1.gs	Method	GENSCAN
Start	688	End	883
GI	none	Score	.78
Exons	688..883		

Seq. No.	20254	Seq. ID	OJ990326_01.9C01.C36
Gene No.	42361	Strand	+
Start	1	End	716
Name	OJ990326_01.9C01.C36.o1.np	Method	AAT/NAP

Start	1	End	716
GI	1431870	Score	136
Exons	1..104, 393..716		
GI Descrip.	(U43904) ent-kaurene synthase B [Cucurbita maxima]		

Seq. No.	20254	Seq. ID	OJ990326_01.9C01.C36
Gene No.	42361	Strand	+
Start	1	End	716
Name	OJ990326_01.9C01.C36.o1.gs	Method	GENSCAN
Start	5	End	583
GI	none	Score	.6
Exons	5..75, 366..583		

Seq. No.	20255	Seq. ID	OJ990326_01.9C01.C37
Gene No.	42362	Strand	
Start	87	End	234
Name	OJ990326_01.9C01.C37.o1.tm	Method	TBLASTX:Maize
Start	87	End	234
GI	none	Score	124
Exons	87..185, 92..232, 92..232, 109..234		

Seq. No.	20256	Seq. ID	OJ990326_01.9C01.C38
Gene No.	42363	Strand	+
Start	348	End	418
Name	OJ990326_01.9C01.C38.o1.gs	Method	GENSCAN
Start	348	End	418
GI	none	Score	.99
Exons	348..418		

Seq. No.	20257	Seq. ID	OJ990326_01.9C01.C40
Gene No.	42364	Strand	+
Start	1	End	765
Name	OJ990326_01.9C01.C40.o1.np	Method	AAT/NAP
Start	1	End	765
GI	6069646	Score	418
Exons	1..765		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	20257	Seq. ID	OJ990326_01.9C01.C40
Gene No.	42365	Strand	-
Start	149	End	752
Name	OJ990326_01.9C01.C40.o1.gs	Method	GENSCAN
Start	149	End	752
GI	none	Score	.49
Exons	149..499, 606..752		

Seq. No.	20257	Seq. ID	OJ990326_01.9C01.C40
Gene No.	42365	Strand	-
Start	149	End	752
Name	OJ990326_01.9C01.C40.o1.tm	Method	TBLASTX:Maize
Start	208	End	738
GI	none	Score	81
Exons	208..279, 294..524, 295..525, 526..738		

Seq. No.	20257	Seq. ID	OJ990326_01.9C01.C40
Gene No.	42365	Strand	-
Start	149	End	752
Name	OJ990326_01.9C01.C40.o1.tw	Method	TBLASTX:Wheat
Start	298	End	486
GI	none	Score	194
Exons	298..486		

Seq. No.	20258	Seq. ID	OJ990326_01.9C01.C43
Gene No.	42366	Strand	+
Start	6989	End	8208
Name	OJ990326_01.9C01.C43.o1.gp	Method	AAT/GAP
Start	6989	End	7679
GI	96_1.R1084	Score	1317
Exons	6989..7679		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	20258	Seq. ID	OJ990326_01.9C01.C43
Gene No.	42366	Strand	+
Start	6989	End	8208
Name	OJ990326_01.9C01.C43.o1.np	Method	AAT/NAP
Start	7331	End	8208
GI	4325368	Score	304
Exons	7331..7679, 8118..8208		
GI Descrip.	(AF128396) Arabidopsis thaliana flavin-type blue-light photoreceptor (SW:Q43125) (Pfam: PF00875, Score=765.2, E=2.6e-226, N=1) [Arabidopsis thaliana]		

Seq. No.	20258	Seq. ID	OJ990326_01.9C01.C43
Gene No.	42367	Strand	-
Start	25	End	626
Name	OJ990326_01.9C01.C43.o1.gs	Method	GENSCAN
Start	25	End	626
GI	none	Score	.49
Exons	25..204, 564..626		

Seq. No.	20258	Seq. ID	OJ990326_01.9C01.C43
Gene No.	42368	Strand	-
Start	1480	End	3567
Name	OJ990326_01.9C01.C43.o2.gs	Method	GENSCAN
Start	1480	End	3567
GI	none	Score	.6
Exons	1480..1585, 1612..1754, 1872..2022, 3563..3567		

Seq. No.	20258	Seq. ID	OJ990326_01.9C01.C43
Gene No.	42369	Strand	
Start	7376	End	7686
Name	OJ990326_01.9C01.C43.o1.tc	Method	TBLASTX:Cress
Start	7376	End	7678
GI	none	Score	83
Exons	7376..7423, 7451..7579, 7580..7678		

Seq. No.	20258	Seq. ID	OJ990326_01.9C01.C43
Gene No.	42369	Strand	
Start	7376	End	7686

Name	OJ990326_01.9C01.C43.o1.tm	Method	TBLASTX:Maize
Start	7376	End	7686
GI	none	Score	78
Exons	7376..7423, 7451..7678, 7474..7686		

Seq. No.	20258	Seq. ID	OJ990326_01.9C01.C43
Gene No.	42369	Strand	
Start	7376	End	7686
Name	OJ990326_01.9C01.C43.o1.ts	Method	TBLASTX:Soybean
Start	7379	End	7678
GI	none	Score	78
Exons	7379..7423, 7451..7597, 7477..7554, 7580..7678, 7642..7674		

Seq. No.	20259	Seq. ID	OJ990326_01.9C01.C44
Gene No.	42370	Strand	-
Start	530	End	672
Name	OJ990326_01.9C01.C44.o1.gs	Method	GENSCAN
Start	530	End	672
GI	none	Score	.82
Exons	530..672		

Seq. No.	20260	Seq. ID	OJ990326_01.9C01.C46
Gene No.	42371	Strand	-
Start	632	End	679
Name	OJ990326_01.9C01.C46.o1.gs	Method	GENSCAN
Start	632	End	679
GI	none	Score	.93
Exons	632..679		

Seq. No.	20261	Seq. ID	OJ990326_01.9C01.C47
Gene No.	42372	Strand	+
Start	397	End	588
Name	OJ990326_01.9C01.C47.o1.gs	Method	GENSCAN
Start	397	End	588
GI	none	Score	.52
Exons	397..588		

Seq. No.	20262	Seq. ID	OJ990326_01.9C01.C48
Gene No.	42373	Strand	-
Start	2394	End	3255
Name	OJ990326_01.9C01.C48.o2.gs	Method	GENSCAN
Start	2394	End	3255
GI	none	Score	.83
Exons	2394..2517, 2530..2687, 3101..3125, 3185..3255		

Seq. No.	20263	Seq. ID	OJ990326_01.9C01.C49
Gene No.	42374	Strand	-
Start	341	End	411
Name	OJ990326_01.9C01.C49.o1.gs	Method	GENSCAN
Start	341	End	411
GI	none	Score	.86
Exons	341..411		

Seq. No.	20264	Seq. ID	OJ990326_01.9C01.C50
Gene No.	42375	Strand	-
Start	1670	End	1894
Name	OJ990326_01.9C01.C50.o1.gs	Method	GENSCAN

Start	1670	End	1894
GI	none	Score	.48
Exons	1670..1894		

Seq. No.	20265	Seq. ID	OJ990326_01.9C01.C54
Gene No.	42376	Strand	+
Start	1	End	739
Name	OJ990326_01.9C01.C54.o1.np	Method	AAT/NAP
Start	1	End	739
GI	4959322	Score	224
Exons	1..215, 295..321, 408..739		
GI Descrip.	(AF105149) kaurene synthase [Zea mays]		

Seq. No.	20265	Seq. ID	OJ990326_01.9C01.C54
Gene No.	42376	Strand	+
Start	1	End	739
Name	OJ990326_01.9C01.C54.o1.gs	Method	GENSCAN
Start	459	End	626
GI	none	Score	.75
Exons	459..626		

Seq. No.	20266	Seq. ID	OJ990326_01.9C01.C56
Gene No.	42377	Strand	-
Start	302	End	427
Name	OJ990326_01.9C01.C56.o1.gs	Method	GENSCAN
Start	302	End	427
GI	none	Score	.9
Exons	302..427		

Seq. No.	20267	Seq. ID	OJ990326_01.9C01.C57
Gene No.	42378	Strand	+
Start	41	End	284
Name	OJ990326_01.9C01.C57.o1.gp	Method	AAT/GAP
Start	41	End	284
GI	none	Score	260
Exons	41..166, 250..284		

Seq. No.	20267	Seq. ID	OJ990326_01.9C01.C57
Gene No.	42378	Strand	+
Start	41	End	284
Name	OJ990326_01.9C01.C57.o1.gs	Method	GENSCAN
Start	43	End	166
GI	none	Score	.98
Exons	43..166		

Seq. No.	20268	Seq. ID	OJ990616_02.9C23.C1
Gene No.	42379	Strand	+
Start	301	End	619
Name	OJ990616_02.9C23.C1.o1.gs	Method	GENSCAN
Start	301	End	619
GI	none	Score	.86
Exons	301..619		

Seq. No.	20269	Seq. ID	OJ990616_02.9C23.C4
Gene No.	42380	Strand	+
Start	362	End	426
Name	OJ990616_02.9C23.C4.o1.gs	Method	GENSCAN

Start	362	End	426
GI	none	Score	.61
Exons	362..426		

Seq. No.	20270	Seq. ID	OJ990616_02.9C23.C7
Gene No.	42381	Strand	+
Start	293	End	464
Name	OJ990616_02.9C23.C7.o1.gs	Method	GENSCAN
Start	293	End	464
GI	none	Score	.63
Exons	293..464		

Seq. No.	20271	Seq. ID	OJ990616_02.9C23.C8
Gene No.	42382	Strand	+
Start	1758	End	4766
Name	OJ990616_02.9C23.C8.o1.np	Method	AAT/NAP
Start	1758	End	4766
GI	4220521	Score	722
Exons	1758..2505, 2859..3058, 3148..3266, 3395..3662, 3822..4353, 4501..4766		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	20271	Seq. ID	OJ990616_02.9C23.C8
Gene No.	42382	Strand	+
Start	1758	End	4766
Name	OJ990616_02.9C23.C8.o1.gs	Method	GENSCAN
Start	1791	End	4667
GI	none	Score	.91
Exons	1791..3058, 3148..3262, 3435..3662, 3822..3971, 4068..4667		

Seq. No.	20271	Seq. ID	OJ990616_02.9C23.C8
Gene No.	42382	Strand	+
Start	1758	End	4766
Name	OJ990616_02.9C23.C8.o2.gp	Method	AAT/GAP
Start	2173	End	4667
GI	10968_1.R1084	Score	3722
Exons	2173..3058, 3148..3262, 3435..3662, 3822..3971, 4068..4667		
GI Descrip.	'4220521/emb|CAA22994| 1.0e-72 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	20271	Seq. ID	OJ990616_02.9C23.C8
Gene No.	42383	Strand	-
Start	1789	End	2180
Name	OJ990616_02.9C23.C8.o2.tm	Method	TBLASTX:Maize
Start	1785	End	2039
GI	none	Score	175
Exons	1785..1931, 1785..1928, 1790..2032, 1983..2039		

Seq. No.	20271	Seq. ID	OJ990616_02.9C23.C8
Gene No.	42383	Strand	-
Start	1789	End	2180
Name	OJ990616_02.9C23.C8.o1.gp	Method	AAT/GAP
Start	1789	End	2180
GI	31172_1.R1084	Score	763
Exons	1789..2180		
GI Descrip.	'2129698/pir||S61766 1.0e-11 protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana >gi_1054633_emb_CAA63387_ (X92728) protein		

kinase [Arabidopsis thaliana]'

Seq. No.	20271	Seq. ID	OJ990616_02.9C23.C8
Gene No.	42384	Strand	
Start	2106	End	4667
Name	OJ990616_02.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	2106	End	4667
GI	none	Score	57
Exons	2106..2159, 2160..2366, 2162..2263, 2166..2291, 2289..2402, 2290..2424, 2302..2400, 2448..2549, 2533..2574, 2562..2639, 2578..2637, 2579..2650, 2758..2829, 2759..2815, 2857..3036, 2867..3046, 2884..3036, 2900..3064, 2901..3053, 3131..3256, 3142..3255, 3442..3660, 3445..3663, 3446..3661, 3447..3665, 3816..3974, 3819..3983, 3904..4002, 4056..4109, 4067..4108, 4091..4219, 4092..4223, 4257..4370, 4512..4667, 4514..4648, 4539..4667		

Seq. No.	20271	Seq. ID	OJ990616_02.9C23.C8
Gene No.	42384	Strand	
Start	2106	End	4667
Name	OJ990616_02.9C23.C8.o1.ts	Method	TBLASTX:Soybean
Start	2984	End	4628
GI	none	Score	61
Exons	2984..3052, 2984..3064, 2988..3056, 3110..3226, 3456..3665, 3479..3664, 3816..3974, 3819..3974, 3824..3982, 3904..3996, 4110..4187, 4499..4627, 4500..4628, 4539..4628		

Seq. No.	20271	Seq. ID	OJ990616_02.9C23.C8
Gene No.	42384	Strand	
Start	2106	End	4667
Name	OJ990616_02.9C23.C8.o1.tc	Method	TBLASTX:Cress
Start	3497	End	4667
GI	none	Score	76
Exons	3497..3634, 3497..3634, 3517..3636, 3519..3665, 3816..3974, 3819..3983, 4538..4666, 4539..4667		

Seq. No.	20272	Seq. ID	OJ990616_02.9C23.C9
Gene No.	42385	Strand	-
Start	1	End	1833
Name	OJ990616_02.9C23.C9.o1.np	Method	AAT/NAP
Start	1	End	1833
GI	1871526	Score	564
Exons	1..104, 225..714, 852..1018, 1650..1833		
GI Descrip.	(X81997) leucine-rich-repeat protein [Helianthus annuus]		

Seq. No.	20272	Seq. ID	OJ990616_02.9C23.C9
Gene No.	42385	Strand	-
Start	1	End	1833
Name	OJ990616_02.9C23.C9.o1.gs	Method	GENSCAN
Start	127	End	1724
GI	none	Score	.88
Exons	127..714, 852..1018, 1650..1724		

Seq. No.	20272	Seq. ID	OJ990616_02.9C23.C9
Gene No.	42385	Strand	-
Start	1	End	1833
Name	OJ990616_02.9C23.C9.o1.tm	Method	TBLASTX:Maize

Start	154	End	1763
GI	none	Score	78
Exons	154..453, 324..728, 369..464, 526..672, 851..925, 851..886, 852..875, 863..1039, 863..985, 878..1024, 882..1013, 929..1030, 1644..1763		

Seq. No.	20272	Seq. ID	OJ990616_02.9C23.C9
Gene No.	42385	Strand	-
Start	1	End	1833
Name	OJ990616_02.9C23.C9.o1.ts	Method	TBLASTX:Soybean
Start	324	End	1754
GI	none	Score	57
Exons	324..560, 857..964, 1644..1724, 1647..1754		

Seq. No.	20273	Seq. ID	OJ990616_02.9C23.C11
Gene No.	42386	Strand	+
Start	471	End	1957
Name	OJ990616_02.9C23.C11.o1.gs	Method	GENSCAN
Start	471	End	1957
GI	none	Score	.89
Exons	471..573, 1428..1957		

Seq. No.	20273	Seq. ID	OJ990616_02.9C23.C11
Gene No.	42386	Strand	+
Start	471	End	1957
Name	OJ990616_02.9C23.C11.o1.gp	Method	AAT/GAP
Start	1364	End	1721
GI	none	Score	668
Exons	1364..1721		

Seq. No.	20274	Seq. ID	OJ990616_02.9C23.C12
Gene No.	42387	Strand	+
Start	1	End	1520
Name	OJ990616_02.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	1520
GI	1871526	Score	257
Exons	1..380, 1452..1520		
GI Descrip.	(X81997) leucine-rich-repeat protein [Helianthus annuus]		

Seq. No.	20274	Seq. ID	OJ990616_02.9C23.C12
Gene No.	42387	Strand	+
Start	1	End	1520
Name	OJ990616_02.9C23.C12.o1.gs	Method	GENSCAN
Start	112	End	519
GI	none	Score	.83
Exons	112..519		

Seq. No.	20274	Seq. ID	OJ990616_02.9C23.C12
Gene No.	42387	Strand	+
Start	1	End	1520
Name	OJ990616_02.9C23.C12.o1.gp	Method	AAT/GAP
Start	365	End	795
GI	3761655	Score	759
Exons	365..795		

Seq. No.	20274	Seq. ID	OJ990616_02.9C23.C12
Gene No.	42388	Strand	-

Start	1137	End	1457
Name	OJ990616_02.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	28	End	422
GI	none	Score	186
Exons	28..252, 112..207, 123..422		

Seq. No.	20274	Seq. ID	OJ990616_02.9C23.C12
Gene No.	42388	Strand	-
Start	1137	End	1457
Name	OJ990616_02.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	28	End	252
GI	none	Score	190
Exons	28..252		

Seq. No.	20274	Seq. ID	OJ990616_02.9C23.C12
Gene No.	42388	Strand	-
Start	1137	End	1457
Name	OJ990616_02.9C23.C12.o2.gp	Method	AAT/GAP
Start	1137	End	1457
GI	10968_1.R1084	Score	576
Exons	1137..1457		
GI Descrip.	'4220521/emb|CAA22994| 1.0e-72 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	20275	Seq. ID	OJ990616_02.9C23.C14
Gene No.	42389	Strand	+
Start	134	End	306
Name	OJ990616_02.9C23.C14.o1.gs	Method	GENSCAN
Start	134	End	306
GI	none	Score	.55
Exons	134..306		

Seq. No.	20276	Seq. ID	OJ990616_02.9C23.C16
Gene No.	42390	Strand	+
Start	571	End	1263
Name	OJ990616_02.9C23.C16.o1.tm	Method	TBLASTX:Maize
Start	78	End	254
GI	none	Score	177
Exons	78..254, 78..254		

Seq. No.	20276	Seq. ID	OJ990616_02.9C23.C16
Gene No.	42390	Strand	+
Start	571	End	1263
Name	OJ990616_02.9C23.C16.o1.gs	Method	GENSCAN
Start	571	End	1263
GI	none	Score	.74
Exons	571..659, 664..832, 859..1263		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42391	Strand	+
Start	1	End	9692
Name	OJ990616_02.9C23.C17.o1.np	Method	AAT/NAP
Start	1	End	4466
GI	6815062	Score	430
Exons	1..21, 1437..2611, 4419..4466		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza		

sativa]

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42391	Strand	+
Start	1	End	9692
Name	OJ990616_02.9C23.C17.o2.np	Method	AAT/NAP
Start	1	End	9692
GI	2979554	Score	583
Exons	1..43, 3993..4136, 4322..4390, 4487..4575, 4651..4707, 4788..4853, 4934..5032, 5169..5286, 5469..5618, 5734..5816, 5843..5965, 9643..9692		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42391	Strand	+
Start	1	End	9692
Name	OJ990616_02.9C23.C17.o1.gs	Method	GENSCAN
Start	1056	End	3642
GI	none	Score	.74
Exons	1056..1333, 1437..2741, 2911..3642		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42391	Strand	+
Start	1	End	9692
Name	OJ990616_02.9C23.C17.o1.gp	Method	AAT/GAP
Start	2126	End	2558
GI	4968607	Score	736
Exons	2126..2558		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321
Name	OJ990616_02.9C23.C17.o2.tm	Method	TBLASTX:Maize
Start	1129	End	1614
GI	none	Score	59
Exons	1129..1245, 1134..1265, 1270..1332, 1271..1333, 1391..1606, 1434..1613, 1434..1610, 1435..1614		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321
Name	OJ990616_02.9C23.C17.o4.tm	Method	TBLASTX:Maize
Start	1926	End	2522
GI	none	Score	102
Exons	1926..2021, 2049..2129, 2175..2336, 2319..2522		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321
Name	OJ990616_02.9C23.C17.o3.tm	Method	TBLASTX:Maize
Start	2538	End	2753
GI	none	Score	266
Exons	2538..2753, 2540..2743		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321

Name	OJ990616_02.9C23.C17.o1.tm	Method	TBLASTX:Maize
Start	2910	End	3229
GI	none	Score	481
Exons	2910..3137, 2918..3226, 2919..3227, 2920..3228, 2963..3229		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321
Name	OJ990616_02.9C23.C17.o1.tc	Method	TBLASTX:Cress
Start	4516	End	4995
GI	none	Score	77
Exons	4516..4575, 4518..4571, 4650..4706, 4651..4710, 4760..4849, 4785..4850, 4785..4856, 4934..4981, 4936..4995		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321
Name	OJ990616_02.9C23.C17.o5.tm	Method	TBLASTX:Maize
Start	5535	End	5965
GI	none	Score	82
Exons	5535..5621, 5535..5621, 5734..5763, 5762..5815, 5764..5814, 5845..5871, 5870..5965, 5878..5964		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321
Name	OJ990616_02.9C23.C17.o1.ts	Method	TBLASTX:Soybean
Start	5574	End	5965
GI	none	Score	66
Exons	5574..5621, 5734..5763, 5870..5965, 5872..5964		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321
Name	OJ990616_02.9C23.C17.o2.gp	Method	AAT/GAP
Start	8522	End	9321
GI	none	Score	1014
Exons	8522..8736, 8974..9321		

Seq. No.	20277	Seq. ID	OJ990616_02.9C23.C17
Gene No.	42392	Strand	-
Start	8577	End	9321
Name	OJ990616_02.9C23.C17.o3.gs	Method	GENSCAN
Start	8577	End	9140
GI	none	Score	.74
Exons	8577..8736, 8974..9140		

Seq. No.	20278	Seq. ID	OJ990616_02.9C23.C18
Gene No.	42393	Strand	+
Start	585	End	3519
Name	OJ990616_02.9C23.C18.o1.gs	Method	GENSCAN
Start	585	End	3519
GI	none	Score	.57
Exons	585..788, 1520..1691, 1943..2055, 3458..3519		

Seq. No.	20279	Seq. ID	OJ990616_02.9C23.C19
Gene No.	42394	Strand	-

Start	682	End	1095
Name	OJ990616_02.9C23.C19.o1.gs	Method	GENSCAN
Start	682	End	1095
GI	none	Score	.62
Exons	682..734, 1005..1095		

Seq. No.	20279	Seq. ID	OJ990616_02.9C23.C19
Gene No.	42395	Strand	-
Start	1044	End	1426
Name	OJ990616_02.9C23.C19.o1.np	Method	AAT/NAP
Start	1044	End	1426
GI	6907106	Score	269
Exons	1044..1214, 1292..1426		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42396	Strand	+
Start	101	End	351
Name	OJ990616_02.9C23.C20.o1.gs	Method	GENSCAN
Start	101	End	351
GI	none	Score	.63
Exons	101..215, 239..351		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42397	Strand	+
Start	3226	End	7737
Name	OJ990616_02.9C23.C20.o3.gs	Method	GENSCAN
Start	3226	End	7720
GI	none	Score	.73
Exons	3226..4163, 4177..5248, 5258..5671, 5776..6650, 6664..6928, 6944..7720		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42397	Strand	+
Start	3226	End	7737
Name	OJ990616_02.9C23.C20.o2.np	Method	AAT/NAP
Start	3307	End	7737
GI	5295971	Score	4856
Exons	3307..3725, 3781..7737		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42398	Strand	-
Start	550	End	2361
Name	OJ990616_02.9C23.C20.o1.np	Method	AAT/NAP
Start	550	End	2347
GI	4567319	Score	1311
Exons	550..681, 844..925, 1032..1299, 1386..1527, 1831..2016, 2111..2347		
GI Descrip.	(AC005956) putative copper amine oxidase [Arabidopsis thaliana]		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42398	Strand	-
Start	550	End	2361

Name	OJ990616_02.9C23.C20.o1.tm	Method	TBLASTX:Maize
Start	637	End	2361
GI	none	Score	74
Exons	637..714, 638..700, 844..924, 845..925, 845..925, 849..926, 849..929, 1026..1208, 1029..1205, 1031..1207, 1196..1300, 1202..1294, 1207..1299, 1380..1466, 1383..1427, 1384..1431, 1450..1530, 1451..1531, 1452..1532, 1464..1538, 1828..2034, 1829..2017, 1850..2038, 2109..2351, 2111..2347, 2218..2361		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42398	Strand	-
Start	550	End	2361
Name	OJ990616_02.9C23.C20.o1.ts	Method	TBLASTX:Soybean
Start	637	End	2351
GI	none	Score	72
Exons	637..699, 638..700, 844..924, 845..925, 849..926, 1011..1208, 1029..1205, 1031..1207, 1181..1300, 1216..1299, 1224..1349, 1380..1427, 1380..1466, 1381..1428, 1406..1528, 1434..1520, 1450..1530, 1462..1530, 1828..2034, 1829..2017, 1855..2019, 2104..2274, 2109..2351, 2111..2347		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42398	Strand	-
Start	550	End	2361
Name	OJ990616_02.9C23.C20.o1.tc	Method	TBLASTX:Cress
Start	1070	End	2201
GI	none	Score	58
Exons	1070..1123, 1070..1123, 1139..1177, 1158..1181, 1175..1207, 1181..1300, 1207..1299, 1378..1440, 1379..1441, 1379..1441, 1380..1466, 1450..1530, 1451..1528, 1827..1934, 1828..2091, 1829..2017, 2111..2200, 2115..2201		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42398	Strand	-
Start	550	End	2361
Name	OJ990616_02.9C23.C20.o1.tw	Method	TBLASTX:Wheat
Start	1082	End	1530
GI	none	Score	161
Exons	1082..1207, 1083..1208, 1088..1219, 1196..1300, 1207..1299, 1379..1456, 1380..1427, 1380..1466, 1381..1431, 1385..1453, 1445..1528, 1449..1529, 1450..1530, 1462..1530		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42398	Strand	-
Start	550	End	2361
Name	OJ990616_02.9C23.C20.o2.gs	Method	GENSCAN
Start	1195	End	1869
GI	none	Score	.86
Exons	1195..1299, 1519..1527, 1831..1869		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42398	Strand	-
Start	550	End	2361
Name	OJ990616_02.9C23.C20.o4.tw	Method	TBLASTX:Wheat
Start	1841	End	2156
GI	none	Score	260
Exons	1841..2017, 1843..2034, 1850..2038, 1852..2019, 2098..2151,		

2103..2156, 2111..2152

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42399	Strand	
Start	3792	End	4068
Name	OJ990616_02.9C23.C20.o7.tm	Method	TBLASTX:Maize
Start	3792	End	4068
GI	none	Score	68
Exons	3792..3857, 3806..3856, 3906..3992, 3907..4068		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42400	Strand	
Start	4303	End	5011
Name	OJ990616_02.9C23.C20.o4.tm	Method	TBLASTX:Maize
Start	4303	End	5011
GI	none	Score	233
Exons	4303..4536, 4304..4543, 4604..4723, 4663..4710, 4724..4771, 4749..4796, 4810..5004, 4811..5011		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42401	Strand	
Start	4936	End	5389
Name	OJ990616_02.9C23.C20.o3.tw	Method	TBLASTX:Wheat
Start	4936	End	5389
GI	none	Score	324
Exons	4936..5163, 4937..5302, 5309..5389		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42401	Strand	
Start	4936	End	5389
Name	OJ990616_02.9C23.C20.o6.tm	Method	TBLASTX:Maize
Start	5026	End	5269
GI	none	Score	293
Exons	5026..5265, 5027..5266, 5060..5269, 5061..5267		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42402	Strand	
Start	5327	End	6185
Name	OJ990616_02.9C23.C20.o5.ts	Method	TBLASTX:Soybean
Start	5327	End	5653
GI	none	Score	210
Exons	5327..5653, 5423..5503		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42402	Strand	
Start	5327	End	6185
Name	OJ990616_02.9C23.C20.o5.tw	Method	TBLASTX:Wheat
Start	5462	End	6012
GI	none	Score	173
Exons	5462..5725, 5761..5925, 5932..6012		

Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42402	Strand	
Start	5327	End	6185
Name	OJ990616_02.9C23.C20.o2.tm	Method	TBLASTX:Maize
Start	5665	End	6090
GI	none	Score	106

Exons	5665..5739, 5669..5740, 5681..5746, 5740..6090, 5745..6089		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42402	Strand	
Start	5327	End	6185
Name	OJ990616_02.9C23.C20.o3.ts	Method	TBLASTX:Soybean
Start	5696	End	6185
GI	none	Score	51
Exons	5696..5740, 5740..6003, 5745..5990, 6006..6185, 6028..6174		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42402	Strand	
Start	5327	End	6185
Name	OJ990616_02.9C23.C20.o2.tc	Method	TBLASTX:Cress
Start	5740	End	6150
GI	none	Score	209
Exons	5740..6006, 5751..5792, 5862..5996, 6028..6150		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42403	Strand	
Start	6562	End	7705
Name	OJ990616_02.9C23.C20.o2.ts	Method	TBLASTX:Soybean
Start	6562	End	7057
GI	5509260	Score	74
Exons	6562..6660, 6686..7057, 6883..6969		
GI Descrip.	-		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42403	Strand	
Start	6562	End	7705
Name	OJ990616_02.9C23.C20.o5.tm	Method	TBLASTX:Maize
Start	6592	End	6907
GI	none	Score	73
Exons	6592..6660, 6671..6907, 6673..6723, 6677..6895, 6811..6906		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42403	Strand	
Start	6562	End	7705
Name	OJ990616_02.9C23.C20.o3.tc	Method	TBLASTX:Cress
Start	6683	End	6946
GI	none	Score	242
Exons	6683..6946		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42403	Strand	
Start	6562	End	7705
Name	OJ990616_02.9C23.C20.o2.tw	Method	TBLASTX:Wheat
Start	6728	End	7282
GI	none	Score	313
Exons	6728..7072, 6883..7071, 7058..7282		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42403	Strand	
Start	6562	End	7705
Name	OJ990616_02.9C23.C20.o3.tm	Method	TBLASTX:Maize
Start	7109	End	7500
GI	none	Score	546

Exons	7109..7498, 7111..7500		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42403	Strand	
Start	6562	End	7705
Name	OJ990616_02.9C23.C20.o4.ts	Method	TBLASTX:Soybean
Start	7208	End	7597
GI	none	Score	304
Exons	7208..7597, 7342..7587		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42403	Strand	
Start	6562	End	7705
Name	OJ990616_02.9C23.C20.o6.tw	Method	TBLASTX:Wheat
Start	7292	End	7594
GI	none	Score	51
Exons	7292..7390, 7415..7594, 7424..7504, 7540..7593		
Seq. No.	20280	Seq. ID	OJ990616_02.9C23.C20
Gene No.	42403	Strand	
Start	6562	End	7705
Name	OJ990616_02.9C23.C20.o4.tc	Method	TBLASTX:Cress
Start	7414	End	7705
GI	none	Score	231
Exons	7414..7593, 7415..7705, 7424..7681		
Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42404	Strand	+
Start	1	End	142
Name	OJ990616_02.9C23.C21.o1.np	Method	AAT/NAP
Start	1	End	142
GI	5295971	Score	154
Exons	1..142		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42405	Strand	+
Start	1896	End	2277
Name	OJ990616_02.9C23.C21.o1.gp	Method	AAT/GAP
Start	1896	End	2277
GI	286806	Score	731
Exons	1896..2277		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		
Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42406	Strand	+
Start	2367	End	2835
Name	OJ990616_02.9C23.C21.o2.gp	Method	AAT/GAP
Start	2367	End	2835
GI	3760921	Score	902
Exons	2367..2835		
GI Descrip.	5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]		

Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42407	Strand	-
Start	465	End	2704
Name	OJ990616_02.9C23.C21.o1.ts	Method	TBLASTX:Soybean
Start	425	End	2704
GI	none	Score	181
Exons	425..682, 465..695, 535..681, 775..1131, 778..1116, 785..1144, 1458..1505, 1464..1502, 1492..1578, 1500..1577, 2205..2510, 2206..2511, 2206..2511, 2590..2703, 2591..2704		

Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42407	Strand	-
Start	465	End	2704
Name	OJ990616_02.9C23.C21.o2.tc	Method	TBLASTX:Cress
Start	433	End	850
GI	none	Score	217
Exons	433..681, 465..686, 466..681, 474..683, 775..849, 778..837, 785..850		

Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42407	Strand	-
Start	465	End	2704
Name	OJ990616_02.9C23.C21.o1.tm	Method	TBLASTX:Maize
Start	463	End	1110
GI	none	Score	259
Exons	463..681, 464..682, 465..686, 768..1100, 775..1110, 778..1062, 785..1108		

Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42407	Strand	-
Start	465	End	2704
Name	OJ990616_02.9C23.C21.o1.gs	Method	GENSCAN
Start	465	End	2691
GI	none	Score	.87
Exons	465..680, 784..1114, 1465..1577, 2593..2691		

Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42407	Strand	-
Start	465	End	2704
Name	OJ990616_02.9C23.C21.o2.np	Method	AAT/NAP
Start	465	End	2691
GI	5230728	Score	1395
Exons	465..680, 784..1114, 1465..1577, 2205..2510, 2593..2691		
GI Descrip.	(AF089851) peroxisomal copper-containing amine oxidase [Glycine max]		

Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42407	Strand	-
Start	465	End	2704
Name	OJ990616_02.9C23.C21.o1.tw	Method	TBLASTX:Wheat
Start	579	End	1062
GI	none	Score	101
Exons	579..686, 580..681, 775..1062, 785..1060		

Seq. No.	20281	Seq. ID	OJ990616_02.9C23.C21
Gene No.	42407	Strand	-
Start	465	End	2704

Name	OJ990616_02.9C23.C21.o1.tc	Method	TBLASTX:Cress
Start	2217	End	2704
GI	none	Score	185
Exons	2217..2513, 2217..2510, 2219..2512, 2590..2703, 2591..2704		

Seq. No.	20282	Seq. ID	OJ990616_02.9C23.C22
Gene No.	42408	Strand	+
Start	404	End	1357
Name	OJ990616_02.9C23.C22.o1.gs	Method	GENSCAN
Start	404	End	1357
GI	none	Score	.67
Exons	404..566, 1251..1357		

Seq. No.	20282	Seq. ID	OJ990616_02.9C23.C22
Gene No.	42409	Strand	+
Start	6443	End	7433
Name	OJ990616_02.9C23.C22.o1.np	Method	AAT/NAP
Start	6443	End	7433
GI	1402876	Score	485
Exons	6443..7203, 7402..7433		
GI Descrip.	(X98130) putative phosphate permease [Arabidopsis thaliana] gi|1495255|emb|CAA66116.1| (X97484) orf01 [Arabidopsis thaliana]		

Seq. No.	20282	Seq. ID	OJ990616_02.9C23.C22
Gene No.	42410	Strand	-
Start	2705	End	2805
Name	OJ990616_02.9C23.C22.o1.gp	Method	AAT/GAP
Start	2705	End	2805
GI	90742_1.R1084	Score	103
Exons	2705..2805		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	20282	Seq. ID	OJ990616_02.9C23.C22
Gene No.	42411	Strand	-
Start	6900	End	7169
Name	OJ990616_02.9C23.C22.o1.tc	Method	TBLASTX:Cress
Start	6753	End	7169
GI	none	Score	457
Exons	6753..7169, 6782..7168		

Seq. No.	20282	Seq. ID	OJ990616_02.9C23.C22
Gene No.	42411	Strand	-
Start	6900	End	7169
Name	OJ990616_02.9C23.C22.o1.ts	Method	TBLASTX:Soybean
Start	6753	End	7079
GI	none	Score	315
Exons	6753..7046, 6782..7048, 7047..7079, 7052..7078		

Seq. No.	20282	Seq. ID	OJ990616_02.9C23.C22
Gene No.	42411	Strand	-
Start	6900	End	7169
Name	OJ990616_02.9C23.C22.o1.tm	Method	TBLASTX:Maize
Start	6857	End	7169
GI	none	Score	289
Exons	6857..7168, 6857..7168, 6858..7169		

Seq. No.	20282	Seq. ID	OJ990616_02.9C23.C22
Gene No.	42411	Strand	-
Start	6900	End	7169
Name	OJ990616_02.9C23.C22.o2.gp	Method	AAT/GAP
Start	6900	End	7168
GI	701304	Score	469
Exons	6900..7168		
GI Descrip.	1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]		

Seq. No.	20283	Seq. ID	OJ990616_02.9C23.C23
Gene No.	42412	Strand	+
Start	714	End	2266
Name	OJ990616_02.9C23.C23.o2.tm	Method	TBLASTX:Maize
Start	630	End	1743
GI	none	Score	186
Exons	630..830, 714..830, 719..832, 740..832, 1666..1743		

Seq. No.	20283	Seq. ID	OJ990616_02.9C23.C23
Gene No.	42412	Strand	+
Start	714	End	2266
Name	OJ990616_02.9C23.C23.o1.gp	Method	AAT/GAP
Start	714	End	902
GI	701304	Score	295
Exons	714..902		
GI Descrip.	1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]		

Seq. No.	20283	Seq. ID	OJ990616_02.9C23.C23
Gene No.	42412	Strand	+
Start	714	End	2266
Name	OJ990616_02.9C23.C23.o1.tc	Method	TBLASTX:Cress
Start	717	End	1878
GI	none	Score	281
Exons	717..857, 719..910, 720..911, 723..800, 801..890, 1051..1284, 1077..1277, 1315..1464, 1333..1518, 1335..1499, 1510..1878, 1518..1877, 1666..1767, 1701..1829		

Seq. No.	20283	Seq. ID	OJ990616_02.9C23.C23
Gene No.	42412	Strand	+
Start	714	End	2266
Name	OJ990616_02.9C23.C23.o1.np	Method	AAT/NAP
Start	718	End	1893
GI	1814405	Score	1294
Exons	718..911, 1078..1893		
GI Descrip.	(U84890) putative phosphate permease [Mesembryanthemum crystallinum]		

Seq. No.	20283	Seq. ID	OJ990616_02.9C23.C23
Gene No.	42412	Strand	+
Start	714	End	2266
Name	OJ990616_02.9C23.C23.o1.gs	Method	GENSCAN
Start	720	End	2266
GI	none	Score	.71
Exons	720..911, 1078..1890, 2237..2266		

Seq. No.	20283	Seq. ID	OJ990616_02.9C23.C23
Gene No.	42412	Strand	+
Start	714	End	2266
Name	OJ990616_02.9C23.C23.o1.ts	Method	TBLASTX:Soybean
Start	723	End	1862
GI	none	Score	69
Exons	723..800, 1606..1704, 1630..1674, 1663..1860, 1692..1862, 1695..1862		

Seq. No.	20283	Seq. ID	OJ990616_02.9C23.C23
Gene No.	42412	Strand	+
Start	714	End	2266
Name	OJ990616_02.9C23.C23.o2.gp	Method	AAT/GAP
Start	1205	End	1806
GI	65553_1.R1084	Score	1073
Exons	1205..1806		
GI Descrip.	'1814405 3.0e-63 (U84890) putative phosphate permease [Mesembryanthemum crystallinum]'		

Seq. No.	20283	Seq. ID	OJ990616_02.9C23.C23
Gene No.	42412	Strand	+
Start	714	End	2266
Name	OJ990616_02.9C23.C23.o1.tm	Method	TBLASTX:Maize
Start	1744	End	2026
GI	none	Score	181
Exons	1744..1878, 1744..1866, 1746..1877, 1874..2023, 1877..2026		

Seq. No.	20284	Seq. ID	OJ990616_02.9C23.C24
Gene No.	42413	Strand	+
Start	94	End	132
Name	OJ990616_02.9C23.C24.o1.gs	Method	GENSCAN
Start	94	End	132
GI	none	Score	.66
Exons	94..132		

Seq. No.	20285	Seq. ID	OJ990616_02.9C23.C26
Gene No.	42414	Strand	+
Start	435	End	497
Name	OJ990616_02.9C23.C26.o1.gs	Method	GENSCAN
Start	435	End	497
GI	none	Score	1
Exons	435..497		

Seq. No.	20286	Seq. ID	OJ990616_02.9C23.C29
Gene No.	42415	Strand	+
Start	912	End	1234
Name	OJ990616_02.9C23.C29.o1.gp	Method	AAT/GAP
Start	912	End	1234
GI	31172_1.R1084	Score	584
Exons	912..1234		
GI Descrip.	'2129698/pir||S61766 1.0e-11 protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana >gi_1054633_emb_CAA63387_ (X92728) protein kinase [Arabidopsis thaliana]'		

Seq. No.	20286	Seq. ID	OJ990616_02.9C23.C29
Gene No.	42416	Strand	-

Start	550	End	996
Name	OJ990616_02.9C23.C29.o1.gs	Method	GENSCAN
Start	550	End	996
GI	none	Score	.78
Exons	550..623, 722..767, 925..996		

Seq. No.	20287	Seq. ID	OJ990616_02.9C23.C31
Gene No.	42417	Strand	+
Start	894	End	1137
Name	OJ990616_02.9C23.C31.o1.gs	Method	GENSCAN
Start	894	End	1137
GI	none	Score	.74
Exons	894..1137		

Seq. No.	20288	Seq. ID	OJ990616_02.9C23.C32
Gene No.	42418	Strand	+
Start	940	End	2082
Name	OJ990616_02.9C23.C32.o1.gs	Method	GENSCAN
Start	940	End	2082
GI	none	Score	.63
Exons	940..1049, 1752..2082		

Seq. No.	20289	Seq. ID	OJ990616_02.9C23.C33
Gene No.	42419	Strand	+
Start	1164	End	2214
Name	OJ990616_02.9C23.C33.o1.gs	Method	GENSCAN
Start	1164	End	2214
GI	none	Score	.81
Exons	1164..1220, 1260..1342, 1430..1664, 2082..2214		

Seq. No.	20289	Seq. ID	OJ990616_02.9C23.C33
Gene No.	42419	Strand	+
Start	1164	End	2214
Name	OJ990616_02.9C23.C33.o1.gp	Method	AAT/GAP
Start	1475	End	1810
GI	427916	Score	502
Exons	1475..1810		

Seq. No.	20289	Seq. ID	OJ990616_02.9C23.C33
Gene No.	42420	Strand	+
Start	2116	End	2865
Name	OJ990616_02.9C23.C33.o2.gp	Method	AAT/GAP
Start	2116	End	2423
GI	3759000	Score	504
Exons	2116..2423		

Seq. No.	20289	Seq. ID	OJ990616_02.9C23.C33
Gene No.	42420	Strand	+
Start	2116	End	2865
Name	OJ990616_02.9C23.C33.o3.gp	Method	AAT/GAP
Start	2117	End	2865
GI	20494_1.R1084	Score	1245
Exons	2117..2865		
GI Descrip.	'5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]'		

Seq. No.	20289	Seq. ID	OJ990616_02.9C23.C33

Gene No.	42421	Strand	+
Start	3143	End	3632
Name	OJ990616_02.9C23.C33.o4.gp	Method	AAT/GAP
Start	3143	End	3632
GI	20494_3.R1084	Score	879
Exons	3143..3632		
GI Descrip.	'1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'		

Seq. No.	20290	Seq. ID	OJ990616_02.9C23.C34
Gene No.	42422	Strand	-
Start	438	End	489
Name	OJ990616_02.9C23.C34.o1.gs	Method	GENSCAN
Start	438	End	489
GI	none	Score	.93
Exons	438..489		

Seq. No.	20291	Seq. ID	OJ990616_02.9C23.C35
Gene No.	42423	Strand	-
Start	351	End	461
Name	OJ990616_02.9C23.C35.o1.gs	Method	GENSCAN
Start	351	End	461
GI	none	Score	.66
Exons	351..461		

Seq. No.	20292	Seq. ID	OJ990616_02.9C23.C36
Gene No.	42424	Strand	-
Start	1	End	462
Name	OJ990616_02.9C23.C36.o1.np	Method	AAT/NAP
Start	1	End	327
GI	5734617	Score	393
Exons	1..327		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	20292	Seq. ID	OJ990616_02.9C23.C36
Gene No.	42424	Strand	-
Start	1	End	462
Name	OJ990616_02.9C23.C36.o1.gs	Method	GENSCAN
Start	13	End	462
GI	none	Score	.91
Exons	13..462		

Seq. No.	20293	Seq. ID	OJ990616_02.9C23.C38
Gene No.	42425	Strand	+
Start	1	End	118
Name	OJ990616_02.9C23.C38.o1.gp	Method	AAT/GAP
Start	1	End	118
GI	286806	Score	210
Exons	1..118		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	20293	Seq. ID	OJ990616_02.9C23.C38
Gene No.	42426	Strand	+
Start	208	End	649
Name	OJ990616_02.9C23.C38.o2.gp	Method	AAT/GAP

Start	208	End	649
GI	3760921	Score	854
Exons	208..649		
GI Descrip.	5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]		

Seq. No.	20293	Seq. ID	OJ990616_02.9C23.C38
Gene No.	42427	Strand	-
Start	1	End	545
Name	OJ990616_02.9C23.C38.o1.np	Method	AAT/NAP
Start	1	End	532
GI	5230728	Score	482
Exons	1..351, 434..532		
GI Descrip.	(AF089851) peroxisomal copper-containing amine oxidase [Glycine max]		

Seq. No.	20293	Seq. ID	OJ990616_02.9C23.C38
Gene No.	42427	Strand	-
Start	1	End	545
Name	OJ990616_02.9C23.C38.o1.tc	Method	TBLASTX:Cress
Start	70	End	545
GI	none	Score	82
Exons	70..351, 71..160, 99..185, 99..353, 100..354, 431..544, 432..545		

Seq. No.	20293	Seq. ID	OJ990616_02.9C23.C38
Gene No.	42427	Strand	-
Start	1	End	545
Name	OJ990616_02.9C23.C38.o1.ts	Method	TBLASTX:Soybean
Start	70	End	545
GI	none	Score	235
Exons	70..351, 71..352, 100..354, 101..352, 431..544, 432..545		

Seq. No.	20293	Seq. ID	OJ990616_02.9C23.C38
Gene No.	42427	Strand	-
Start	1	End	545
Name	OJ990616_02.9C23.C38.o1.gs	Method	GENSCAN
Start	97	End	532
GI	none	Score	.67
Exons	97..351, 434..532		

Seq. No.	20294	Seq. ID	OJ990616_02.9C23.C40
Gene No.	42428	Strand	-
Start	1	End	1038
Name	OJ990616_02.9C23.C40.o1.np	Method	AAT/NAP
Start	1	End	1038
GI	2129698	Score	223
Exons	1..61, 730..952, 984..1038		
GI Descrip.	protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana gi|1054633|emb|CAA63387| (X92728) protein kinase [Arabidopsis thaliana]		

Seq. No.	20294	Seq. ID	OJ990616_02.9C23.C40
Gene No.	42428	Strand	-
Start	1	End	1038
Name	OJ990616_02.9C23.C40.o1.tc	Method	TBLASTX:Cress
Start	727	End	945
GI	none	Score	156

Exons	727..945, 743..943		
Seq. No.	20294	Seq. ID	OJ990616_02.9C23.C40
Gene No.	42428	Strand	-
Start	1	End	1038
Name	OJ990616_02.9C23.C40.o1.tm	Method	TBLASTX:Maize
Start	727	End	945
GI	none	Score	117
Exons	727..945, 741..878, 743..943		
Seq. No.	20294	Seq. ID	OJ990616_02.9C23.C40
Gene No.	42428	Strand	-
Start	1	End	1038
Name	OJ990616_02.9C23.C40.o1.ts	Method	TBLASTX:Soybean
Start	727	End	945
GI	none	Score	81
Exons	727..945, 735..878, 745..942		
Seq. No.	20294	Seq. ID	OJ990616_02.9C23.C40
Gene No.	42428	Strand	-
Start	1	End	1038
Name	OJ990616_02.9C23.C40.o1.gs	Method	GENSCAN
Start	741	End	957
GI	none	Score	.48
Exons	741..957		
Seq. No.	20295	Seq. ID	OJ990616_02.9C23.C43
Gene No.	42429	Strand	-
Start	171	End	555
Name	OJ990616_02.9C23.C43.o1.gs	Method	GENSCAN
Start	171	End	555
GI	none	Score	.83
Exons	171..283, 417..487, 527..555		
Seq. No.	20296	Seq. ID	OJ990616_02.9C23.C44
Gene No.	42430	Strand	+
Start	1	End	2451
Name	OJ990616_02.9C23.C44.o1.np	Method	AAT/NAP
Start	1	End	2225
GI	5042454	Score	177
Exons	1..97, 1640..1826, 2165..2225		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	20296	Seq. ID	OJ990616_02.9C23.C44
Gene No.	42430	Strand	+
Start	1	End	2451
Name	OJ990616_02.9C23.C44.o1.gs	Method	GENSCAN
Start	463	End	2451
GI	none	Score	.88
Exons	463..509, 549..565, 1787..1957, 2172..2343, 2426..2451		
Seq. No.	20297	Seq. ID	OJ990616_02.9C23.C46
Gene No.	42431	Strand	+
Start	114	End	585
Name	OJ990616_02.9C23.C46.o1.gs	Method	GENSCAN
Start	114	End	585
GI	none	Score	.94

Exons	114..274, 333..585		
Seq. No.	20298	Seq. ID	OJ990616_02.9C23.C47
Gene No.	42432	Strand	-
Start	7704	End	8240
Name	OJ990616_02.9C23.C47.o2.gs	Method	GENSCAN
Start	7704	End	8236
GI	none	Score	.93
Exons	7704..8236		
Seq. No.	20298	Seq. ID	OJ990616_02.9C23.C47
Gene No.	42432	Strand	-
Start	7704	End	8240
Name	OJ990616_02.9C23.C47.o1.np	Method	AAT/NAP
Start	7843	End	8240
GI	5734617	Score	464
Exons	7843..8240		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		
Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42433	Strand	+
Start	3412	End	4093
Name	OJ990616_02.9C23.C48.o2.gs	Method	GENSCAN
Start	3412	End	4093
GI	none	Score	.77
Exons	3412..3431, 3565..4093		
Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42434	Strand	+
Start	7538	End	11091
Name	OJ990616_02.9C23.C48.o3.gs	Method	GENSCAN
Start	7538	End	11041
GI	none	Score	.89
Exons	7538..7662, 9309..9378, 9565..10253, 10309..10834, 10965..11041		
Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42434	Strand	+
Start	7538	End	11091
Name	OJ990616_02.9C23.C48.o2.np	Method	AAT/NAP
Start	9093	End	11091
GI	6553905	Score	978
Exons	9093..9155, 9313..9378, 9565..10182, 10210..10834, 10965..11091		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		
Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42434	Strand	+
Start	7538	End	11091
Name	OJ990616_02.9C23.C48.o3.np	Method	AAT/NAP
Start	9226	End	11091
GI	4468984	Score	521
Exons	9226..9378, 9565..10168, 10236..10458, 10627..10834, 10965..11091		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		
Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42435	Strand	-
Start	1589	End	3911

Name	OJ990616_02.9C23.C48.o1.gs	Method	GENSCAN
Start	1589	End	2701
GI	none	Score	.92
Exons	1589..2137, 2149..2415, 2510..2701		

Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42435	Strand	-
Start	1589	End	3911
Name	OJ990616_02.9C23.C48.o1.np	Method	AAT/NAP
Start	1954	End	3911
GI	2642433	Score	126
Exons	1954..2195, 3831..3911		
GI Descrip.	(AC002391) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42436	Strand	
Start	9081	End	9927
Name	OJ990616_02.9C23.C48.o1.ts	Method	TBLASTX:Soybean
Start	9081	End	9927
GI	none	Score	66
Exons	9081..9143, 9636..9767, 9637..9927		

Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42436	Strand	
Start	9081	End	9927
Name	OJ990616_02.9C23.C48.o1.tc	Method	TBLASTX:Cress
Start	9092	End	9879
GI	none	Score	94
Exons	9092..9166, 9093..9173, 9619..9795, 9651..9776, 9817..9879		

Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42436	Strand	
Start	9081	End	9927
Name	OJ990616_02.9C23.C48.o1.tw	Method	TBLASTX:Wheat
Start	9630	End	9924
GI	none	Score	244
Exons	9630..9905, 9631..9924		

Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42436	Strand	
Start	9081	End	9927
Name	OJ990616_02.9C23.C48.o2.tm	Method	TBLASTX:Maize
Start	9630	End	9927
GI	none	Score	245
Exons	9630..9905, 9631..9927		

Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42437	Strand	
Start	9975	End	10629
Name	OJ990616_02.9C23.C48.o2.ts	Method	TBLASTX:Soybean
Start	9975	End	10465
GI	none	Score	98
Exons	9975..10130, 10012..10143, 10258..10434, 10259..10465		

Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42437	Strand	

Start	9975	End	10629
Name	OJ990616_02.9C23.C48.o1.tm	Method	TBLASTX:Maize
Start	10092	End	10629
GI	none	Score	89
Exons	10092..10157, 10093..10158, 10258..10503, 10259..10435, 10369..10506, 10439..10507, 10585..10629		

Seq. No.	20299	Seq. ID	OJ990616_02.9C23.C48
Gene No.	42438	Strand	
Start	10658	End	10828
Name	OJ990616_02.9C23.C48.o3.tm	Method	TBLASTX:Maize
Start	10658	End	10828
GI	none	Score	244
Exons	10658..10828, 10685..10828		

Seq. No.	20300	Seq. ID	OJ990616_02.9C23.C49
Gene No.	42439	Strand	+
Start	1	End	755
Name	OJ990616_02.9C23.C49.o1.np	Method	AAT/NAP
Start	1	End	752
GI	6553905	Score	251
Exons	1..81, 186..578, 609..752		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	20300	Seq. ID	OJ990616_02.9C23.C49
Gene No.	42439	Strand	+
Start	1	End	755
Name	OJ990616_02.9C23.C49.o1.gs	Method	GENSCAN
Start	186	End	755
GI	none	Score	.67
Exons	186..755		

Seq. No.	20300	Seq. ID	OJ990616_02.9C23.C49
Gene No.	42439	Strand	+
Start	1	End	755
Name	OJ990616_02.9C23.C49.o1.gp	Method	AAT/GAP
Start	290	End	669
GI	none	Score	736
Exons	290..669		

Seq. No.	20301	Seq. ID	OJ990616_02.9C23.C50
Gene No.	42440	Strand	+
Start	485	End	587
Name	OJ990616_02.9C23.C50.o1.gs	Method	GENSCAN
Start	485	End	587
GI	none	Score	.59
Exons	485..587		

Seq. No.	20302	Seq. ID	OJ990616_02.9C23.C51
Gene No.	42441	Strand	+
Start	434	End	1630
Name	OJ990616_02.9C23.C51.o1.gs	Method	GENSCAN
Start	434	End	1630
GI	none	Score	.46
Exons	434..972, 1594..1630		

Seq. No.	20303	Seq. ID	OJ990616_02.9C23.C52

Gene No.	42442	Strand	+
Start	829	End	1004
Name	OJ990616_02.9C23.C52.o1.gs	Method	GENSCAN
Start	829	End	1004
GI	none	Score	.98
Exons	829..1004		

Seq. No.	20303	Seq. ID	OJ990616_02.9C23.C52
Gene No.	42443	Strand	+
Start	3071	End	3567
Name	OJ990616_02.9C23.C52.o2.gs	Method	GENSCAN
Start	3071	End	3567
GI	none	Score	.83
Exons	3071..3185, 3353..3567		

Seq. No.	20303	Seq. ID	OJ990616_02.9C23.C52
Gene No.	42444	Strand	-
Start	3827	End	4411
Name	OJ990616_02.9C23.C52.o3.gs	Method	GENSCAN
Start	3827	End	4411
GI	none	Score	.58
Exons	3827..4016, 4320..4411		

Seq. No.	20303	Seq. ID	OJ990616_02.9C23.C52
Gene No.	42444	Strand	-
Start	3827	End	4411
Name	OJ990616_02.9C23.C52.o1.np	Method	AAT/NAP
Start	3828	End	4090
GI	6539588	Score	104
Exons	3828..4090		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20304	Seq. ID	OJ990616_02.9C23.C54
Gene No.	42445	Strand	-
Start	461	End	609
Name	OJ990616_02.9C23.C54.o1.gs	Method	GENSCAN
Start	461	End	609
GI	none	Score	.77
Exons	461..609		

Seq. No.	20305	Seq. ID	OJ990616_02.9C23.C55
Gene No.	42446	Strand	-
Start	583	End	718
Name	OJ990616_02.9C23.C55.o1.gp	Method	AAT/GAP
Start	583	End	718
GI	3763611	Score	229
Exons	583..718		
GI Descrip.	2129698/pir||S61766 1.0e-11 protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana >gi_1054633_emb_CAA63387_ (X92728) protein kinase [Arabidopsis thaliana]		

Seq. No.	20306	Seq. ID	OJ990616_02.9C23.C56
Gene No.	42447	Strand	+
Start	1	End	501
Name	OJ990616_02.9C23.C56.o1.np	Method	AAT/NAP
Start	1	End	486
GI	4220521	Score	259

Exons	1..288, 388..486		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		
Seq. No.	20306	Seq. ID	OJ990616_02.9C23.C56
Gene No.	42447	Strand	+
Start	1	End	501
Name	OJ990616_02.9C23.C56.o1.gp	Method	AAT/GAP
Start	80	End	501
GI	5003518	Score	580
Exons	80..288, 364..501		
GI Descrip.	4220521/emb|CAA22994| 5.0e-23 (AL035356) putative protein [Arabidopsis thaliana]		
Seq. No.	20306	Seq. ID	OJ990616_02.9C23.C56
Gene No.	42447	Strand	+
Start	1	End	501
Name	OJ990616_02.9C23.C56.o1.tm	Method	TBLASTX:Maize
Start	82	End	474
GI	none	Score	165
Exons	82..288, 135..269, 160..288, 160..240, 386..460, 388..474		
Seq. No.	20306	Seq. ID	OJ990616_02.9C23.C56
Gene No.	42447	Strand	+
Start	1	End	501
Name	OJ990616_02.9C23.C56.o1.gs	Method	GENSCAN
Start	131	End	475
GI	none	Score	.71
Exons	131..288, 388..475		
Seq. No.	20306	Seq. ID	OJ990616_02.9C23.C56
Gene No.	42447	Strand	+
Start	1	End	501
Name	OJ990616_02.9C23.C56.o1.tc	Method	TBLASTX:Cress
Start	159	End	468
GI	none	Score	200
Exons	159..287, 160..288, 388..468		
Seq. No.	20307	Seq. ID	OJ990616_02.9C23.C60
Gene No.	42448	Strand	-
Start	77	End	477
Name	OJ990616_02.9C23.C60.o1.gs	Method	GENSCAN
Start	77	End	438
GI	none	Score	.45
Exons	77..235, 314..438		
Seq. No.	20307	Seq. ID	OJ990616_02.9C23.C60
Gene No.	42448	Strand	-
Start	77	End	477
Name	OJ990616_02.9C23.C60.o1.ts	Method	TBLASTX:Soybean
Start	77	End	247
GI	none	Score	199
Exons	77..247, 78..239		
Seq. No.	20307	Seq. ID	OJ990616_02.9C23.C60
Gene No.	42448	Strand	-
Start	77	End	477
Name	OJ990616_02.9C23.C60.o1.tm	Method	TBLASTX:Maize

Start	77	End	459
GI	none	Score	224
Exons	77..241, 78..248, 124..246, 302..448, 303..440, 316..459		

Seq. No.	20307	Seq. ID	OJ990616_02.9C23.C60
Gene No.	42448	Strand	-
Start	77	End	477
Name	OJ990616_02.9C23.C60.o1.np	Method	AAT/NAP
Start	77	End	453
GI	2129698	Score	348
Exons	77..235, 314..453		
GI Descrip.	protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana gi|1054633|emb|CAA63387| (X92728) protein kinase [Arabidopsis thaliana]		

Seq. No.	20307	Seq. ID	OJ990616_02.9C23.C60
Gene No.	42448	Strand	-
Start	77	End	477
Name	OJ990616_02.9C23.C60.o1.tc	Method	TBLASTX:Cress
Start	77	End	477
GI	none	Score	193
Exons	77..241, 78..248, 302..448, 312..440, 322..477		

Seq. No.	20308	Seq. ID	OJ990616_02.9C23.C61
Gene No.	42449	Strand	-
Start	1	End	275
Name	OJ990616_02.9C23.C61.o1.np	Method	AAT/NAP
Start	1	End	275
GI	2129698	Score	170
Exons	1..48, 145..275		
GI Descrip.	protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana gi|1054633|emb|CAA63387| (X92728) protein kinase [Arabidopsis thaliana]		

Seq. No.	20308	Seq. ID	OJ990616_02.9C23.C61
Gene No.	42449	Strand	-
Start	1	End	275
Name	OJ990616_02.9C23.C61.o1.gs	Method	GENSCAN
Start	145	End	275
GI	none	Score	.79
Exons	145..275		

Seq. No.	20308	Seq. ID	OJ990616_02.9C23.C61
Gene No.	42450	Strand	-
Start	1413	End	1798
Name	OJ990616_02.9C23.C61.o1.ts	Method	TBLASTX:Soybean
Start	2	End	298
GI	none	Score	45
Exons	2..43, 3..32, 142..276, 144..275, 149..298		

Seq. No.	20308	Seq. ID	OJ990616_02.9C23.C61
Gene No.	42450	Strand	-
Start	1413	End	1798
Name	OJ990616_02.9C23.C61.o2.gs	Method	GENSCAN
Start	1413	End	1798
GI	none	Score	.78
Exons	1413..1577, 1651..1798		

Seq. No.	20309	Seq. ID	OJ990616_02.9C23.C63
Gene No.	42451	Strand	+
Start	547	End	1741
Name	OJ990616_02.9C23.C63.o1.gs	Method	GENSCAN
Start	547	End	1741
GI	none	Score	.79
Exons	547..987, 1584..1741		

Seq. No.	20309	Seq. ID	OJ990616_02.9C23.C63
Gene No.	42452	Strand	-
Start	1291	End	5788
Name	OJ990616_02.9C23.C63.o1.tm	Method	TBLASTX:Maize
Start	1270	End	3669
GI	none	Score	97
Exons	1270..1359, 1273..1359, 1472..1522, 1476..1532, 1476..1529, 2517..2645, 2524..2640, 2722..2829, 2724..2819, 3520..3633, 3523..3669		

Seq. No.	20309	Seq. ID	OJ990616_02.9C23.C63
Gene No.	42452	Strand	-
Start	1291	End	5788
Name	OJ990616_02.9C23.C63.o1.np	Method	AAT/NAP
Start	1291	End	5788
GI	2662099	Score	255
Exons	1291..1359, 1479..1521, 2524..2638, 2722..2828, 3562..3656, 3763..3877, 4694..4807, 5768..5788		
GI Descrip.	(AB007869) KIAA0409 [Homo sapiens]		

Seq. No.	20309	Seq. ID	OJ990616_02.9C23.C63
Gene No.	42452	Strand	-
Start	1291	End	5788
Name	OJ990616_02.9C23.C63.o2.gs	Method	GENSCAN
Start	2419	End	5581
GI	none	Score	.63
Exons	2419..2638, 2722..2828, 3562..3656, 3763..3877, 4230..4281, 5340..5581		

Seq. No.	20309	Seq. ID	OJ990616_02.9C23.C63
Gene No.	42452	Strand	-
Start	1291	End	5788
Name	OJ990616_02.9C23.C63.o1.tc	Method	TBLASTX:Cress
Start	2722	End	3862
GI	none	Score	110
Exons	2722..2832, 2722..2817, 2724..2819, 3562..3657, 3570..3653, 3571..3654, 3572..3661, 3761..3862, 3762..3857		

Seq. No.	20310	Seq. ID	OJ990616_02.9C23.C64
Gene No.	42453	Strand	-
Start	173	End	891
Name	OJ990616_02.9C23.C64.o1.gs	Method	GENSCAN
Start	173	End	286
GI	none	Score	.97
Exons	173..286		

Seq. No.	20310	Seq. ID	OJ990616_02.9C23.C64
Gene No.	42453	Strand	-

Start	173	End	891
Name	OJ990616_02.9C23.C64.o1.np	Method	AAT/NAP
Start	182	End	891
GI	5777617	Score	104
Exons	182..279, 837..891		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	20311	Seq. ID	OJ990616_02.9C23.C66
Gene No.	42454	Strand	+
Start	347	End	674
Name	OJ990616_02.9C23.C66.o1.np	Method	AAT/NAP
Start	347	End	674
GI	4220521	Score	125
Exons	347..674		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	20311	Seq. ID	OJ990616_02.9C23.C66
Gene No.	42454	Strand	+
Start	347	End	674
Name	OJ990616_02.9C23.C66.o1.tm	Method	TBLASTX:Maize
Start	374	End	628
GI	none	Score	175
Exons	374..520, 374..517, 379..621, 572..628		

Seq. No.	20311	Seq. ID	OJ990616_02.9C23.C66
Gene No.	42454	Strand	+
Start	347	End	674
Name	OJ990616_02.9C23.C66.o1.gp	Method	AAT/GAP
Start	378	End	674
GI	31172_1.R1084	Score	564
Exons	378..674		
GI Descrip.	'2129698/pir||S61766 1.0e-11 protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana >gi_1054633_emb_CAA63387_ (X92728) protein kinase [Arabidopsis thaliana]'		

Seq. No.	20312	Seq. ID	OJ990616_02.9C23.C68
Gene No.	42455	Strand	+
Start	287	End	481
Name	OJ990616_02.9C23.C68.o1.gs	Method	GENSCAN
Start	287	End	481
GI	none	Score	.94
Exons	287..481		

Seq. No.	20313	Seq. ID	OJ990616_02.9C23.C72
Gene No.	42456	Strand	-
Start	1	End	610
Name	OJ990616_02.9C23.C72.o1.np	Method	AAT/NAP
Start	1	End	610
GI	1871526	Score	163
Exons	1..114, 248..414, 500..610		
GI Descrip.	(X81997) leucine-rich-repeat protein [Helianthus annuus]		

Seq. No.	20313	Seq. ID	OJ990616_02.9C23.C72
Gene No.	42456	Strand	-
Start	1	End	610
Name	OJ990616_02.9C23.C72.o1.gs	Method	GENSCAN
Start	28	End	414

GI	none	Score	.49
Exons	28..114, 248..414		

Seq. No.	20313	Seq. ID	OJ990616_02.9C23.C72
Gene No.	42456	Strand	-
Start	1	End	610
Name	OJ990616_02.9C23.C72.o1.tm	Method	TBLASTX:Maize
Start	30	End	435
GI	none	Score	36
Exons	30..128, 247..282, 248..271, 259..435, 259..381, 274..420, 278..409		

Seq. No.	20313	Seq. ID	OJ990616_02.9C23.C72
Gene No.	42456	Strand	-
Start	1	End	610
Name	OJ990616_02.9C23.C72.o1.ts	Method	TBLASTX:Soybean
Start	30	End	420
GI	none	Score	91
Exons	30..116, 54..110, 247..420, 259..420, 259..372, 260..409, 295..393		

Seq. No.	20314	Seq. ID	OJ990526_02.9C08.C1
Gene No.	42457	Strand	-
Start	1	End	935
Name	OJ990526_02.9C08.C1.o1.np	Method	AAT/NAP
Start	1	End	935
GI	6691716	Score	453
Exons	1..256, 663..935		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20314	Seq. ID	OJ990526_02.9C08.C1
Gene No.	42457	Strand	-
Start	1	End	935
Name	OJ990526_02.9C08.C1.o1.gs	Method	GENSCAN
Start	83	End	855
GI	none	Score	.69
Exons	83..256, 306..556, 710..855		

Seq. No.	20315	Seq. ID	OJ990526_02.9C08.C2
Gene No.	42458	Strand	+
Start	1	End	1308
Name	OJ990526_02.9C08.C2.o1.np	Method	AAT/NAP
Start	1	End	1308
GI	5852093	Score	61
Exons	1..85, 1196..1308		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	20315	Seq. ID	OJ990526_02.9C08.C2
Gene No.	42459	Strand	+
Start	1478	End	1916
Name	OJ990526_02.9C08.C2.o1.gs	Method	GENSCAN
Start	1478	End	1916
GI	none	Score	.52
Exons	1478..1602, 1695..1916		

Seq. No.	20316	Seq. ID	OJ990526_02.9C08.C3
Gene No.	42460	Strand	-
Start	3001	End	3281
Name	OJ990526_02.9C08.C3.o1.np	Method	AAT/NAP
Start	1198	End	3281
GI	4680180	Score	420
Exons	1198..1218, 3010..3281		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20316	Seq. ID	OJ990526_02.9C08.C3
Gene No.	42460	Strand	-
Start	3001	End	3281
Name	OJ990526_02.9C08.C3.o1.gs	Method	GENSCAN
Start	3001	End	3155
GI	none	Score	.55
Exons	3001..3155		

Seq. No.	20316	Seq. ID	OJ990526_02.9C08.C3
Gene No.	42460	Strand	-
Start	3001	End	3281
Name	OJ990526_02.9C08.C3.o1.tw	Method	TBLASTX:Wheat
Start	3020	End	3281
GI	none	Score	78
Exons	3020..3184, 3020..3124, 3022..3174, 3159..3281, 3184..3273		

Seq. No.	20316	Seq. ID	OJ990526_02.9C08.C3
Gene No.	42460	Strand	-
Start	3001	End	3281
Name	OJ990526_02.9C08.C3.o1.tm	Method	TBLASTX:Maize
Start	3022	End	3281
GI	none	Score	146
Exons	3022..3177, 3026..3184, 3132..3281		

Seq. No.	20317	Seq. ID	OJ990526_02.9C08.C4
Gene No.	42461	Strand	+
Start	53	End	1091
Name	OJ990526_02.9C08.C4.o1.gs	Method	GENSCAN
Start	53	End	1091
GI	none	Score	.63
Exons	53..249, 734..931, 937..1091		

Seq. No.	20317	Seq. ID	OJ990526_02.9C08.C4
Gene No.	42461	Strand	+
Start	53	End	1091
Name	OJ990526_02.9C08.C4.o1.gp	Method	AAT/GAP
Start	228	End	433
GI	6025028	Score	338
Exons	228..433		

Seq. No.	20317	Seq. ID	OJ990526_02.9C08.C4
Gene No.	42462	Strand	-
Start	3779	End	5593
Name	OJ990526_02.9C08.C4.o2.gs	Method	GENSCAN
Start	3779	End	5593
GI	none	Score	.46
Exons	3779..3898, 5172..5251, 5566..5593		

Seq. No.	20318	Seq. ID	OJ990526_02.9C08.C5
Gene No.	42463	Strand	+
Start	635	End	1106
Name	OJ990526_02.9C08.C5.o1.gp	Method	AAT/GAP
Start	635	End	1106
GI	2233_1.R1084	Score	908
Exons	635..1106		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	20318	Seq. ID	OJ990526_02.9C08.C5
Gene No.	42464	Strand	-
Start	829	End	1011
Name	OJ990526_02.9C08.C5.o1.gs	Method	GENSCAN
Start	829	End	1011
GI	none	Score	.92
Exons	829..1011		

Seq. No.	20319	Seq. ID	OJ990526_02.9C08.C6
Gene No.	42465	Strand	+
Start	1524	End	2757
Name	OJ990526_02.9C08.C6.o2.gs	Method	GENSCAN
Start	1524	End	2757
GI	none	Score	.45
Exons	1524..1575, 1685..1822, 1977..2141, 2654..2757		

Seq. No.	20319	Seq. ID	OJ990526_02.9C08.C6
Gene No.	42466	Strand	-
Start	24	End	363
Name	OJ990526_02.9C08.C6.o1.gs	Method	GENSCAN
Start	24	End	363
GI	none	Score	.56
Exons	24..310, 326..363		

Seq. No.	20320	Seq. ID	OJ990526_02.9C08.C7
Gene No.	42467	Strand	-
Start	1	End	2783
Name	OJ990526_02.9C08.C7.o1.np	Method	AAT/NAP
Start	1	End	2783
GI	4680204	Score	128
Exons	1..169, 1430..1542, 1780..1945, 2752..2783		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20320	Seq. ID	OJ990526_02.9C08.C7
Gene No.	42467	Strand	-
Start	1	End	2783
Name	OJ990526_02.9C08.C7.o1.gs	Method	GENSCAN
Start	246	End	1953
GI	none	Score	.47
Exons	246..655, 1432..1953		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42468	Strand	+
Start	4092	End	4541
Name	OJ990526_02.9C08.C8.o2.gp	Method	AAT/GAP
Start	4092	End	4541
GI	2799143	Score	859

Exons	4092..4541		
GI Descrip.	1076753/pir||S52392 2.0e-24 prolamin - rice >gi_671591_emb_CAA59142_ (X84649) prolamin [Oryza sativa]		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o1.np	Method	AAT/NAP
Start	1	End	2120
GI	4680203	Score	1441
Exons	1..299, 459..2120		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o1.gs	Method	GENSCAN
Start	294	End	4500
GI	none	Score	.78
Exons	294..1742, 1839..2120, 4212..4500		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o3.tw	Method	TBLASTX:Wheat
Start	313	End	517
GI	none	Score	47
Exons	313..396, 344..385, 397..516, 400..516, 401..517		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o2.tm	Method	TBLASTX:Maize
Start	322	End	537
GI	none	Score	87
Exons	322..513, 323..511, 337..537		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o2.ts	Method	TBLASTX:Soybean
Start	628	End	862
GI	none	Score	73
Exons	628..861, 637..837, 692..862		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o1.tm	Method	TBLASTX:Maize
Start	700	End	1141
GI	none	Score	87
Exons	700..891, 713..916, 898..1140, 914..1141		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o2.tw	Method	TBLASTX:Wheat

Start	736	End	1077
GI	none	Score	74
Exons	736..891, 737..985, 935..1030, 937..1032, 1039..1077		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o1.tc	Method	TBLASTX:Cress
Start	985	End	1332
GI	none	Score	88
Exons	985..1332, 986..1138, 1178..1327		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o3.ts	Method	TBLASTX:Soybean
Start	1066	End	1333
GI	none	Score	84
Exons	1066..1329, 1084..1308, 1085..1333		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o1.tw	Method	TBLASTX:Wheat
Start	1081	End	1761
GI	none	Score	84
Exons	1081..1206, 1213..1332, 1226..1336, 1345..1761, 1472..1672		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o1.ts	Method	TBLASTX:Soybean
Start	1352	End	1689
GI	none	Score	202
Exons	1352..1636, 1354..1635, 1634..1684, 1642..1689		

Seq. No.	20321	Seq. ID	OJ990526_02.9C08.C8
Gene No.	42469	Strand	-
Start	1	End	4541
Name	OJ990526_02.9C08.C8.o2.np	Method	AAT/NAP
Start	4204	End	4541
GI	130946	Score	527
Exons	4204..4541		
GI Descrip.	10 KD PROLAMIN PRECURSOR gi|82451|pir||S08219 prolamin, 10K, precursor - rice gi|20296|emb|CAA34926| (X17074) prolamin (AA 1-134) [Oryza sativa] gi|20308|emb|CAA33301| (X15231) 10 kD prolamin [Oryza sativa] gi|551659|emb|CAA57495| (X81970) 10KD prolamin [Oryza sativa] gi|556405 (L36604) prolamin [Oryza sativa] gi|556407 (L36605) prolamin [Oryza sativa] gi|226932|prf		

Seq. No.	20322	Seq. ID	OJ990526_02.9C08.C9
Gene No.	42470	Strand	+
Start	97	End	689
Name	OJ990526_02.9C08.C9.o1.gp	Method	AAT/GAP
Start	97	End	689
GI	300_1.R1084	Score	1008
Exons	97..689		

GI Descrip.	'130946/sp|P15839|PRO1_ORYSA 3.0e-37 10 KD PROLAMIN PRECURSOR >gi_82451_pir__S08219 prolamin, 10K, precursor - rice >gi_20296_emb_CAA34926_ (X17074) prolamin (AA 1-134) [Oryza sativa] >gi_20308_emb_CAA33301_ (X15231) 10 kD prolamin [Oryza sativa] >gi_551659_emb_CAA57495_ (X81970) 10KD prolamin [Oryza sativa] >gi_556405 (L36604) prolamin [Oryza sativa] >gi_556407 (L36605) prolamin [Oryz'

Seq. No.	20322	Seq. ID	OJ990526_02.9C08.C9
Gene No.	42471	Strand	-
Start	209	End	613
Name	OJ990526_02.9C08.C9.o1.np	Method	AAT/NAP
Start	209	End	613
GI	130946	Score	628
Exons	209..613		
GI Descrip.	10 KD PROLAMIN PRECURSOR gi|82451|pir||S08219 prolamin, 10K, precursor - rice gi|20296|emb|CAA34926| (X17074) prolamin (AA 1-134) [Oryza sativa] gi|20308|emb|CAA33301| (X15231) 10 kD prolamin [Oryza sativa] gi|551659|emb|CAA57495| (X81970) 10KD prolamin [Oryza sativa] gi|556405 (L36604) prolamin [Oryza sativa] gi|556407 (L36605) prolamin [Oryza sativa] gi|226932|prf		

Seq. No.	20323	Seq. ID	OJ990526_02.9C08.C11
Gene No.	42472	Strand	+
Start	1	End	864
Name	OJ990526_02.9C08.C11.o1.np	Method	AAT/NAP
Start	1	End	366
GI	6742729	Score	195
Exons	1..366		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	20323	Seq. ID	OJ990526_02.9C08.C11
Gene No.	42472	Strand	+
Start	1	End	864
Name	OJ990526_02.9C08.C11.o2.np	Method	AAT/NAP
Start	1	End	864
GI	4680203	Score	415
Exons	1..864		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20323	Seq. ID	OJ990526_02.9C08.C11
Gene No.	42472	Strand	+
Start	1	End	864
Name	OJ990526_02.9C08.C11.o1.tw	Method	TBLASTX:Wheat
Start	9	End	784
GI	none	Score	44
Exons	9..41, 83..295, 291..419, 293..421, 301..420, 437..487, 488..541, 559..663, 560..664, 664..732, 665..784		

Seq. No.	20323	Seq. ID	OJ990526_02.9C08.C11
Gene No.	42472	Strand	+
Start	1	End	864
Name	OJ990526_02.9C08.C11.o1.gs	Method	GENSCAN
Start	260	End	838
GI	none	Score	.77
Exons	260..487, 524..838		

Seq. No.	20323	Seq. ID	OJ990526_02.9C08.C11
Gene No.	42472	Strand	+
Start	1	End	864
Name	OJ990526_02.9C08.C11.o1.ts	Method	TBLASTX:Soybean
Start	473	End	721
GI	none	Score	226
Exons	473..721, 478..657		

Seq. No.	20324	Seq. ID	OJ990526_02.9C08.C13
Gene No.	42473	Strand	-
Start	7	End	119
Name	OJ990526_02.9C08.C13.o1.gs	Method	GENSCAN
Start	7	End	119
GI	none	Score	.95
Exons	7..119		

Seq. No.	20325	Seq. ID	OJ990526_02.9C08.C14
Gene No.	42474	Strand	-
Start	500	End	712
Name	OJ990526_02.9C08.C14.o1.gs	Method	GENSCAN
Start	500	End	712
GI	none	Score	.85
Exons	500..712		

Seq. No.	20326	Seq. ID	OJ990526_02.9C08.C16
Gene No.	42475	Strand	+
Start	217	End	590
Name	OJ990526_02.9C08.C16.o1.gp	Method	AAT/GAP
Start	217	End	590
GI	none	Score	216
Exons	217..266, 485..590		

Seq. No.	20326	Seq. ID	OJ990526_02.9C08.C16
Gene No.	42475	Strand	+
Start	217	End	590
Name	OJ990526_02.9C08.C16.o1.gs	Method	GENSCAN
Start	220	End	434
GI	none	Score	.74
Exons	220..266, 317..434		

Seq. No.	20326	Seq. ID	OJ990526_02.9C08.C16
Gene No.	42476	Strand	+
Start	2027	End	2307
Name	OJ990526_02.9C08.C16.o2.gp	Method	AAT/GAP
Start	2027	End	2307
GI	none	Score	558
Exons	2027..2307		

Seq. No.	20326	Seq. ID	OJ990526_02.9C08.C16
Gene No.	42477	Strand	-
Start	1384	End	8549
Name	OJ990526_02.9C08.C16.o2.gs	Method	GENSCAN
Start	1384	End	7940
GI	none	Score	.95
Exons	1384..1541, 2565..2604, 3246..3431, 3530..3700, 3816..3860, 4563..4736, 5277..5363, 5825..5986, 6421..6491, 6772..6911, 7305..7429, 7806..7940		

Seq. No.	20326	Seq. ID	OJ990526_02.9C08.C16
Gene No.	42477	Strand	-
Start	1384	End	8549
Name	OJ990526_02.9C08.C16.o3.gp	Method	AAT/GAP
Start	2555	End	3335
GI	none	Score	621
Exons	2555..2848, 3246..3335		

Seq. No.	20326	Seq. ID	OJ990526_02.9C08.C16
Gene No.	42477	Strand	-
Start	1384	End	8549
Name	OJ990526_02.9C08.C16.o1.np	Method	AAT/NAP
Start	2751	End	8549
GI	6513947	Score	1309
Exons	2751..2848, 3246..3431, 3530..3700, 3816..3860, 4563..4736, 5277..5363, 5825..5986, 6421..6491, 6772..6911, 7305..7429, 7806..7979, 8412..8549		
GI Descrip.	(AC011664) putative helicase [Arabidopsis thaliana]		

Seq. No.	20326	Seq. ID	OJ990526_02.9C08.C16
Gene No.	42477	Strand	-
Start	1384	End	8549
Name	OJ990526_02.9C08.C16.o1.tm	Method	TBLASTX:Maize
Start	3555	End	5939
GI	none	Score	172
Exons	3555..3701, 3556..3702, 3557..3703, 3560..3706, 3805..3861, 3813..3860, 4557..4736, 4560..4736, 4561..4737, 4561..4737, 5296..5364, 5298..5366, 5807..5932, 5822..5932, 5826..5939		

Seq. No.	20326	Seq. ID	OJ990526_02.9C08.C16
Gene No.	42477	Strand	-
Start	1384	End	8549
Name	OJ990526_02.9C08.C16.o4.gp	Method	AAT/GAP
Start	3822	End	5968
GI	LIB3432-023-P1-K1-A9	Score	760
Exons	3822..3860, 4563..4736, 5277..5363, 5825..5968		
GI Descrip.	'3322623 8.0e-31 (AE001214) transcription-repair coupling factor (trcF) [Treponema pallidum]'		

Seq. No.	20327	Seq. ID	OJ990526_02.9C08.C17
Gene No.	42478	Strand	-
Start	1	End	2190
Name	OJ990526_02.9C08.C17.o1.np	Method	AAT/NAP
Start	1	End	2190
GI	6513947	Score	725
Exons	1..47, 251..428, 1033..1278, 1494..1719, 2003..2190		
GI Descrip.	(AC011664) putative helicase [Arabidopsis thaliana]		

Seq. No.	20327	Seq. ID	OJ990526_02.9C08.C17
Gene No.	42478	Strand	-
Start	1	End	2190
Name	OJ990526_02.9C08.C17.o1.gs	Method	GENSCAN
Start	164	End	2130
GI	none	Score	.74
Exons	164..220, 1033..1278, 1494..1719, 2003..2130		

Seq. No.	20327	Seq. ID	OJ990526_02.9C08.C17
Gene No.	42478	Strand	-
Start	1	End	2190
Name	OJ990526_02.9C08.C17.o1.gp	Method	AAT/GAP
Start	1013	End	2112
GI	uC-osroM202017b01b1	Score	952
Exons	1013..1278, 1494..1637, 1707..1736, 2003..2112		
GI Descrip.	'3914015/sp|Q55750|MFD_SYNY3 5.0e-26 TRANSCRIPTION-REPAIR COUPLING FACTOR (TRCF) >gi_1001661_dbj_BAA10395_ (D64002) transcription-repair coupling factor [Synechocystis sp.]'		

Seq. No.	20327	Seq. ID	OJ990526_02.9C08.C17
Gene No.	42478	Strand	-
Start	1	End	2190
Name	OJ990526_02.9C08.C17.o1.ts	Method	TBLASTX:Soybean
Start	1492	End	1672
GI	none	Score	95
Exons	1492..1665, 1500..1664, 1500..1670, 1544..1672, 1600..1665		

Seq. No.	20328	Seq. ID	OJ990526_02.9C08.C18
Gene No.	42479	Strand	-
Start	922	End	1425
Name	OJ990526_02.9C08.C18.o1.gs	Method	GENSCAN
Start	922	End	1425
GI	none	Score	.75
Exons	922..1425		

Seq. No.	20328	Seq. ID	OJ990526_02.9C08.C18
Gene No.	42479	Strand	-
Start	922	End	1425
Name	OJ990526_02.9C08.C18.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	1308
GI	none	Score	59
Exons	1087..1308, 1196..1300		

Seq. No.	20328	Seq. ID	OJ990526_02.9C08.C18
Gene No.	42479	Strand	-
Start	922	End	1425
Name	OJ990526_02.9C08.C18.o1.tc	Method	TBLASTX:Cress
Start	1090	End	1311
GI	none	Score	189
Exons	1090..1311		

Seq. No.	20329	Seq. ID	OJ990526_02.9C08.C23
Gene No.	42480	Strand	+
Start	149	End	343
Name	OJ990526_02.9C08.C23.o1.gs	Method	GENSCAN
Start	149	End	343
GI	none	Score	.75
Exons	149..343		

Seq. No.	20330	Seq. ID	OJ990526_02.9C08.C27
Gene No.	42481	Strand	-
Start	126	End	245
Name	OJ990526_02.9C08.C27.o1.gs	Method	GENSCAN
Start	126	End	245
GI	none	Score	.62

Exons	126..245		
Seq. No.	20331	Seq. ID	OJ990526_02.9C08.C28
Gene No.	42482	Strand	-
Start	1	End	346
Name	OJ990526_02.9C08.C28.o1.np	Method	AAT/NAP
Start	1	End	342
GI	6513947	Score	122
Exons	1..67, 183..342		
GI Descrip.	(AC011664) putative helicase [Arabidopsis thaliana]		
Seq. No.	20331	Seq. ID	OJ990526_02.9C08.C28
Gene No.	42482	Strand	-
Start	1	End	346
Name	OJ990526_02.9C08.C28.o1.gp	Method	AAT/GAP
Start	185	End	328
GI	LIB3432-023-P1-K1-A9	Score	233
Exons	185..328		
GI Descrip.	'3322623 8.0e-31 (AE001214) transcription-repair coupling factor (trcF) [Treponema pallidum]'		
Seq. No.	20331	Seq. ID	OJ990526_02.9C08.C28
Gene No.	42482	Strand	-
Start	1	End	346
Name	OJ990526_02.9C08.C28.o1.gs	Method	GENSCAN
Start	185	End	346
GI	none	Score	.8
Exons	185..346		
Seq. No.	20332	Seq. ID	OJ990526_02.9C08.C29
Gene No.	42483	Strand	+
Start	261	End	808
Name	OJ990526_02.9C08.C29.o1.gs	Method	GENSCAN
Start	261	End	808
GI	none	Score	.73
Exons	261..380, 743..808		
Seq. No.	20332	Seq. ID	OJ990526_02.9C08.C29
Gene No.	42484	Strand	-
Start	1	End	878
Name	OJ990526_02.9C08.C29.o1.np	Method	AAT/NAP
Start	1	End	878
GI	6815053	Score	299
Exons	1..402, 729..878		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	20333	Seq. ID	OJ990526_02.9C08.C30
Gene No.	42485	Strand	-
Start	1	End	218
Name	OJ990526_02.9C08.C30.o1.np	Method	AAT/NAP
Start	1	End	218
GI	6513947	Score	139
Exons	1..218		
GI Descrip.	(AC011664) putative helicase [Arabidopsis thaliana]		
Seq. No.	20333	Seq. ID	OJ990526_02.9C08.C30
Gene No.	42485	Strand	-

Start	1	End	218
Name	OJ990526_02.9C08.C30.o1.gp	Method	AAT/GAP
Start	62	End	200
GI	LIB3432-023-P1-K1-A9	Score	220
Exons	62..200		
GI Descrip.	'3322623 8.0e-31 (AE001214) transcription-repair coupling factor (trcF) [Treponema pallidum]'		

Seq. No.	20334	Seq. ID	OJ990526_02.9C08.C32
Gene No.	42486	Strand	+
Start	813	End	999
Name	OJ990526_02.9C08.C32.o1.gs	Method	GENSCAN
Start	813	End	999
GI	none	Score	.43
Exons	813..863, 897..999		

Seq. No.	20335	Seq. ID	OJ990526_02.9C08.C33
Gene No.	42487	Strand	+
Start	113	End	1389
Name	OJ990526_02.9C08.C33.o3.tm	Method	TBLASTX:Maize
Start	99	End	574
GI	none	Score	44
Exons	99..134, 109..132, 126..290, 127..291, 134..292, 135..293, 136..327, 335..574, 390..569		

Seq. No.	20335	Seq. ID	OJ990526_02.9C08.C33
Gene No.	42487	Strand	+
Start	113	End	1389
Name	OJ990526_02.9C08.C33.o1.np	Method	AAT/NAP
Start	113	End	1389
GI	2352795	Score	1328
Exons	113..292, 393..583, 670..1389		
GI Descrip.	(AF007793) retinoblastoma-related protein 1 [Zea mays]		

Seq. No.	20335	Seq. ID	OJ990526_02.9C08.C33
Gene No.	42487	Strand	+
Start	113	End	1389
Name	OJ990526_02.9C08.C33.o1.gs	Method	GENSCAN
Start	383	End	1269
GI	none	Score	.85
Exons	383..583, 670..1269		

Seq. No.	20335	Seq. ID	OJ990526_02.9C08.C33
Gene No.	42487	Strand	+
Start	113	End	1389
Name	OJ990526_02.9C08.C33.o1.tm	Method	TBLASTX:Maize
Start	654	End	936
GI	none	Score	279
Exons	654..935, 654..833, 667..936, 676..936		

Seq. No.	20335	Seq. ID	OJ990526_02.9C08.C33
Gene No.	42487	Strand	+
Start	113	End	1389
Name	OJ990526_02.9C08.C33.o1.tw	Method	TBLASTX:Wheat
Start	658	End	932
GI	none	Score	345
Exons	658..930, 667..930, 669..932		

Seq. No.	20335	Seq. ID	OJ990526_02.9C08.C33
Gene No.	42487	Strand	+
Start	113	End	1389
Name	OJ990526_02.9C08.C33.o1.tc	Method	TBLASTX:Cress
Start	780	End	1131
GI	none	Score	81
Exons	780..944, 781..960, 781..948, 982..1131, 1011..1130		

Seq. No.	20335	Seq. ID	OJ990526_02.9C08.C33
Gene No.	42487	Strand	+
Start	113	End	1389
Name	OJ990526_02.9C08.C33.o2.tm	Method	TBLASTX:Maize
Start	991	End	1236
GI	none	Score	318
Exons	991..1236, 991..1089, 1017..1235		

Seq. No.	20336	Seq. ID	OJ990526_02.9C08.C36
Gene No.	42488	Strand	-
Start	1	End	731
Name	OJ990526_02.9C08.C36.o1.np	Method	AAT/NAP
Start	1	End	731
GI	6539570	Score	156
Exons	1..90, 282..355, 533..731		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	20337	Seq. ID	OJ990526_02.9C08.C37
Gene No.	42489	Strand	+
Start	1	End	1028
Name	OJ990526_02.9C08.C37.o1.np	Method	AAT/NAP
Start	1	End	1028
GI	5902445	Score	1580
Exons	1..1028		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	20337	Seq. ID	OJ990526_02.9C08.C37
Gene No.	42490	Strand	-
Start	150	End	2317
Name	OJ990526_02.9C08.C37.o1.tw	Method	TBLASTX:Wheat
Start	51	End	416
GI	none	Score	374
Exons	51..416, 53..382		

Seq. No.	20337	Seq. ID	OJ990526_02.9C08.C37
Gene No.	42490	Strand	-
Start	150	End	2317
Name	OJ990526_02.9C08.C37.o1.tm	Method	TBLASTX:Maize
Start	53	End	419
GI	none	Score	203
Exons	53..112, 60..326, 152..310, 293..388, 321..419		

Seq. No.	20337	Seq. ID	OJ990526_02.9C08.C37
Gene No.	42490	Strand	-
Start	150	End	2317
Name	OJ990526_02.9C08.C37.o1.gs	Method	GENSCAN
Start	150	End	1997
GI	none	Score	.55

Exons	150..541, 596..746, 957..993, 1409..1712, 1883..1997		
Seq. No.	20337	Seq. ID	OJ990526_02.9C08.C37
Gene No.	42490	Strand	-
Start	150	End	2317
Name	OJ990526_02.9C08.C37.o2.tw	Method	TBLASTX:Wheat
Start	440	End	1016
GI	none	Score	241
Exons	440..514, 441..683, 560..697, 738..863, 888..1016		
Seq. No.	20337	Seq. ID	OJ990526_02.9C08.C37
Gene No.	42490	Strand	-
Start	150	End	2317
Name	OJ990526_02.9C08.C37.o2.tm	Method	TBLASTX:Maize
Start	738	End	980
GI	none	Score	154
Exons	738..899, 839..898, 878..979, 879..980		
Seq. No.	20337	Seq. ID	OJ990526_02.9C08.C37
Gene No.	42490	Strand	-
Start	150	End	2317
Name	OJ990526_02.9C08.C37.o2.np	Method	AAT/NAP
Start	1381	End	2317
GI	6691716	Score	743
Exons	1381..1820, 1883..1997, 2148..2317		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	20338	Seq. ID	OJ990526_02.9C08.C38
Gene No.	42491	Strand	-
Start	23	End	1334
Name	OJ990526_02.9C08.C38.o1.np	Method	AAT/NAP
Start	23	End	916
GI	5902448	Score	1465
Exons	23..916		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	20338	Seq. ID	OJ990526_02.9C08.C38
Gene No.	42491	Strand	-
Start	23	End	1334
Name	OJ990526_02.9C08.C38.o1.gs	Method	GENSCAN
Start	28	End	1334
GI	none	Score	.41
Exons	28..366, 749..955, 1268..1334		
Seq. No.	20338	Seq. ID	OJ990526_02.9C08.C38
Gene No.	42491	Strand	-
Start	23	End	1334
Name	OJ990526_02.9C08.C38.o1.tw	Method	TBLASTX:Wheat
Start	506	End	820
GI	none	Score	208
Exons	506..820		
Seq. No.	20339	Seq. ID	OJ990526_02.9C08.C40
Gene No.	42492	Strand	-
Start	64	End	287

Name	OJ990526_02.9C08.C40.o1.gs	Method	GENSCAN
Start	64	End	287
GI	none	Score	.75
Exons	64..177, 275..287		

Seq. No.	20340	Seq. ID	OJ990526_02.9C08.C41
Gene No.	42493	Strand	+
Start	1	End	464
Name	OJ990526_02.9C08.C41.o1.np	Method	AAT/NAP
Start	1	End	344
GI	283012	Score	439
Exons	1..344		
GI Descrip.	ribulose-bisphosphate carboxylase (EC 4.1.1.39) large chain - rice chloroplast gi|11955|emb|CAA28475| (X04789) ribulose-1,5-bisphosphate carboxylase (AA 1 - 477) [Oryza sativa]		

Seq. No.	20340	Seq. ID	OJ990526_02.9C08.C41
Gene No.	42493	Strand	+
Start	1	End	464
Name	OJ990526_02.9C08.C41.o1.gp	Method	AAT/GAP
Start	65	End	464
GI	14384_1.R1084	Score	577
Exons	65..464		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	20340	Seq. ID	OJ990526_02.9C08.C41
Gene No.	42493	Strand	+
Start	1	End	464
Name	OJ990526_02.9C08.C41.o1.gs	Method	GENSCAN
Start	76	End	347
GI	none	Score	.64
Exons	76..347		

Seq. No.	20340	Seq. ID	OJ990526_02.9C08.C41
Gene No.	42494	Strand	+
Start	626	End	752
Name	OJ990526_02.9C08.C41.o1.tm	Method	TBLASTX:Maize
Start	64	End	486
GI	none	Score	60
Exons	64..111, 65..103, 102..317, 103..303, 105..317, 366..482, 388..486		

Seq. No.	20340	Seq. ID	OJ990526_02.9C08.C41
Gene No.	42494	Strand	+
Start	626	End	752
Name	OJ990526_02.9C08.C41.o1.tw	Method	TBLASTX:Wheat
Start	64	End	401
GI	none	Score	60
Exons	64..102, 65..103, 66..104, 102..347, 103..303, 105..347, 351..401		

Seq. No.	20340	Seq. ID	OJ990526_02.9C08.C41
Gene No.	42494	Strand	+
Start	626	End	752
Name	OJ990526_02.9C08.C41.o1.tc	Method	TBLASTX:Cress

Start	75	End	335
GI	none	Score	40
Exons	75..101, 76..102, 76..120, 101..199, 102..335, 102..335		

Seq. No.	20340	Seq. ID	OJ990526_02.9C08.C41
Gene No.	42494	Strand	+
Start	626	End	752
Name	OJ990526_02.9C08.C41.o2.np	Method	AAT/NAP
Start	626	End	752
GI	82529	Score	172
Exons	626..752		
GI Descrip.	hypothetical 5K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11993|emb|CAA34005| (X15901) ORF42; homology to rpl23 [Oryza sativa] gi|226614|prf||1603356AL rpl23-like ORF 44 [Oryza sativa]		

Seq. No.	20341	Seq. ID	OJ990526_02.9C08.C42
Gene No.	42495	Strand	-
Start	24	End	642
Name	OJ990526_02.9C08.C42.o1.gs	Method	GENSCAN
Start	24	End	642
GI	none	Score	.74
Exons	24..95, 205..341, 404..502, 589..642		

Seq. No.	20342	Seq. ID	OJ990526_02.9C08.C45
Gene No.	42496	Strand	-
Start	223	End	985
Name	OJ990526_02.9C08.C45.o1.gp	Method	AAT/GAP
Start	223	End	985
GI	none	Score	631
Exons	223..517, 896..985		

Seq. No.	20342	Seq. ID	OJ990526_02.9C08.C45
Gene No.	42497	Strand	-
Start	896	End	1006
Name	OJ990526_02.9C08.C45.o1.gs	Method	GENSCAN
Start	896	End	1006
GI	none	Score	.63
Exons	896..1006		

Seq. No.	20343	Seq. ID	OJ990526_02.9C08.C48
Gene No.	42498	Strand	-
Start	1	End	1421
Name	OJ990526_02.9C08.C48.o1.np	Method	AAT/NAP
Start	1	End	1421
GI	6513947	Score	263
Exons	1..42, 537..722, 1263..1421		
GI Descrip.	(AC011664) putative helicase [Arabidopsis thaliana]		

Seq. No.	20343	Seq. ID	OJ990526_02.9C08.C48
Gene No.	42498	Strand	-
Start	1	End	1421
Name	OJ990526_02.9C08.C48.o1.gp	Method	AAT/GAP
Start	510	End	1421
GI	LIB3432-023-P1-K1-A9	Score	459
Exons	510..722, 1263..1421		
GI Descrip.	'3322623 8.0e-31 (AE001214) transcription-repair coupling factor		

(trcF) [Treponema pallidum]'

Seq. No.	20343	Seq. ID	OJ990526_02.9C08.C48
Gene No.	42498	Strand	-
Start	1	End	1421
Name	OJ990526_02.9C08.C48.o1.tm	Method	TBLASTX:Maize
Start	543	End	1352
GI	none	Score	251
Exons	543..722, 546..722, 547..723, 547..723, 1282..1350, 1284..1352		

Seq. No.	20343	Seq. ID	OJ990526_02.9C08.C48
Gene No.	42498	Strand	-
Start	1	End	1421
Name	OJ990526_02.9C08.C48.o1.gs	Method	GENSCAN
Start	549	End	1349
GI	none	Score	.95
Exons	549..722, 1263..1349		

Seq. No.	20344	Seq. ID	OJ990526_02.9C08.C50
Gene No.	42499	Strand	+
Start	309	End	854
Name	OJ990526_02.9C08.C50.o1.gs	Method	GENSCAN
Start	309	End	854
GI	none	Score	.59
Exons	309..854		

Seq. No.	20345	Seq. ID	OJ990526_02.9C08.C53
Gene No.	42500	Strand	+
Start	474	End	966
Name	OJ990526_02.9C08.C53.o1.gs	Method	GENSCAN
Start	474	End	966
GI	none	Score	.76
Exons	474..507, 836..966		

Seq. No.	20345	Seq. ID	OJ990526_02.9C08.C53
Gene No.	42501	Strand	+
Start	2155	End	4962
Name	OJ990526_02.9C08.C53.o2.gs	Method	GENSCAN
Start	2155	End	4962
GI	none	Score	.55
Exons	2155..2267, 2396..2576, 4936..4962		

Seq. No.	20346	Seq. ID	OJ990526_02.9C08.C55
Gene No.	42502	Strand	+
Start	1	End	5128
Name	OJ990526_02.9C08.C55.o1.np	Method	AAT/NAP
Start	1	End	5128
GI	6815062	Score	308
Exons	1..37, 2776..3063, 3097..3538, 3645..3872, 5088..5128		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	20346	Seq. ID	OJ990526_02.9C08.C55
Gene No.	42502	Strand	+
Start	1	End	5128
Name	OJ990526_02.9C08.C55.o2.np	Method	AAT/NAP

Start	2787	End	5128
GI	4559351	Score	350
Exons	2787..3056, 3097..3477, 3641..3910, 5076..5128		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20346	Seq. ID	OJ990526_02.9C08.C55
Gene No.	42502	Strand	+
Start	1	End	5128
Name	OJ990526_02.9C08.C55.o2.gs	Method	GENSCAN
Start	2991	End	4628
GI	none	Score	.71
Exons	2991..3543, 3645..4177, 4422..4628		

Seq. No.	20346	Seq. ID	OJ990526_02.9C08.C55
Gene No.	42503	Strand	-
Start	1937	End	2164
Name	OJ990526_02.9C08.C55.o1.gs	Method	GENSCAN
Start	1937	End	2164
GI	none	Score	1
Exons	1937..2164		

Seq. No.	20346	Seq. ID	OJ990526_02.9C08.C55
Gene No.	42504	Strand	
Start	3096	End	3425
Name	OJ990526_02.9C08.C55.o1.tm	Method	TBLASTX:Maize
Start	3096	End	3425
GI	none	Score	151
Exons	3096..3356, 3173..3328, 3354..3425, 3359..3421		

Seq. No.	20347	Seq. ID	OJ990526_02.9C08.C56
Gene No.	42505	Strand	-
Start	67	End	883
Name	OJ990526_02.9C08.C56.o1.gs	Method	GENSCAN
Start	67	End	883
GI	none	Score	.74
Exons	67..116, 199..883		

Seq. No.	20348	Seq. ID	OJ990526_02.9C08.C57
Gene No.	42506	Strand	-
Start	1	End	749
Name	OJ990526_02.9C08.C57.o1.np	Method	AAT/NAP
Start	1	End	749
GI	6513947	Score	126
Exons	1..85, 379..509, 688..749		
GI Descrip.	(AC011664) putative helicase [Arabidopsis thaliana]		

Seq. No.	20348	Seq. ID	OJ990526_02.9C08.C57
Gene No.	42506	Strand	-
Start	1	End	749
Name	OJ990526_02.9C08.C57.o1.gs	Method	GENSCAN
Start	379	End	503
GI	none	Score	.79
Exons	379..503		

Seq. No.	20349	Seq. ID	OJ990526_02.9C08.C60
Gene No.	42507	Strand	-
Start	1	End	1158

Name	OJ990526_02.9C08.C60.o1.np	Method	AAT/NAP
Start	1	End	1158
GI	5441880	Score	514
Exons	1..111, 347..379, 824..1158		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	20349	Seq. ID	OJ990526_02.9C08.C60
Gene No.	42507	Strand	-
Start	1	End	1158
Name	OJ990526_02.9C08.C60.o1.tw	Method	TBLASTX:Wheat
Start	596	End	973
GI	none	Score	64
Exons	596..769, 607..741, 702..770, 794..970, 824..973		

Seq. No.	20349	Seq. ID	OJ990526_02.9C08.C60
Gene No.	42507	Strand	-
Start	1	End	1158
Name	OJ990526_02.9C08.C60.o1.tm	Method	TBLASTX:Maize
Start	671	End	1135
GI	none	Score	161
Exons	671..742, 800..1135, 801..1088		

Seq. No.	20350	Seq. ID	OJ990526_02.9C08.C61
Gene No.	42508	Strand	+
Start	178	End	504
Name	OJ990526_02.9C08.C61.o1.gs	Method	GENSCAN
Start	178	End	504
GI	none	Score	1
Exons	178..504		

Seq. No.	20351	Seq. ID	OJ990526_02.9C08.C62
Gene No.	42509	Strand	+
Start	1	End	977
Name	OJ990526_02.9C08.C62.o1.np	Method	AAT/NAP
Start	1	End	556
GI	5902447	Score	296
Exons	1..556		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	20351	Seq. ID	OJ990526_02.9C08.C62
Gene No.	42509	Strand	+
Start	1	End	977
Name	OJ990526_02.9C08.C62.o2.np	Method	AAT/NAP
Start	1	End	977
GI	6691716	Score	444
Exons	1..94, 171..268, 347..526, 604..791, 867..977		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20351	Seq. ID	OJ990526_02.9C08.C62
Gene No.	42509	Strand	+
Start	1	End	977
Name	OJ990526_02.9C08.C62.o1.gs	Method	GENSCAN
Start	127	End	791

GI	none	Score	.78
Exons	127..526, 592..791		

Seq. No.	20352	Seq. ID	OJ990526_02.9C08.C64
Gene No.	42510	Strand	+
Start	1	End	1389
Name	OJ990526_02.9C08.C64.o1.np	Method	AAT/NAP
Start	1	End	1389
GI	1001263	Score	38
Exons	1..69, 1088..1231, 1316..1389		
GI Descrip.	(D64003) hypothetical protein [Synechocystis sp.]		

Seq. No.	20352	Seq. ID	OJ990526_02.9C08.C64
Gene No.	42511	Strand	-
Start	55	End	1221
Name	OJ990526_02.9C08.C64.o1.gs	Method	GENSCAN
Start	55	End	1171
GI	none	Score	.64
Exons	55..230, 1123..1171		

Seq. No.	20352	Seq. ID	OJ990526_02.9C08.C64
Gene No.	42511	Strand	-
Start	55	End	1221
Name	OJ990526_02.9C08.C64.o1.ts	Method	TBLASTX:Soybean
Start	980	End	1215
GI	none	Score	113
Exons	980..1078, 985..1077, 1095..1190, 1096..1206, 1099..1215		

Seq. No.	20352	Seq. ID	OJ990526_02.9C08.C64
Gene No.	42511	Strand	-
Start	55	End	1221
Name	OJ990526_02.9C08.C64.o1.tm	Method	TBLASTX:Maize
Start	994	End	1221
GI	none	Score	110
Exons	994..1083, 995..1084, 1082..1189, 1089..1220, 1091..1207, 1093..1221		

Seq. No.	20353	Seq. ID	OJ990526_02.9C08.C65
Gene No.	42512	Strand	+
Start	112	End	218
Name	OJ990526_02.9C08.C65.o1.gs	Method	GENSCAN
Start	112	End	218
GI	none	Score	.74
Exons	112..218		

Seq. No.	20353	Seq. ID	OJ990526_02.9C08.C65
Gene No.	42513	Strand	-
Start	872	End	1134
Name	OJ990526_02.9C08.C65.o1.gp	Method	AAT/GAP
Start	872	End	1134
GI	5056034	Score	474
Exons	872..1134		

Seq. No.	20354	Seq. ID	OJ990526_02.9C08.C66
Gene No.	42514	Strand	-
Start	1	End	3672
Name	OJ990526_02.9C08.C66.o2.np	Method	AAT/NAP

Start	1	End	3672
GI	5441880	Score	820
Exons	1..111, 1549..1810, 2390..2723, 2832..2971, 3583..3672		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	20354	Seq. ID	OJ990526_02.9C08.C66
Gene No.	42514	Strand	-
Start	1	End	3672
Name	OJ990526_02.9C08.C66.o1.gs	Method	GENSCAN
Start	261	End	3612
GI	none	Score	.72
Exons	261..580, 1513..1789, 1891..2009, 2043..2235, 2339..2361, 2390..2578, 2602..2756, 2832..2985, 3462..3612		

Seq. No.	20354	Seq. ID	OJ990526_02.9C08.C66
Gene No.	42514	Strand	-
Start	1	End	3672
Name	OJ990526_02.9C08.C66.o1.np	Method	AAT/NAP
Start	271	End	3672
GI	5441880	Score	817
Exons	271..315, 1547..1810, 2390..2723, 2832..2971, 3583..3672		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	20355	Seq. ID	OJ990526_02.9C08.C67
Gene No.	42515	Strand	-
Start	1	End	1460
Name	OJ990526_02.9C08.C67.o1.np	Method	AAT/NAP
Start	1	End	990
GI	5441880	Score	1113
Exons	1..990		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	20355	Seq. ID	OJ990526_02.9C08.C67
Gene No.	42515	Strand	-
Start	1	End	1460
Name	OJ990526_02.9C08.C67.o1.tm	Method	TBLASTX:Maize
Start	18	End	422
GI	none	Score	150
Exons	18..422, 19..243		

Seq. No.	20355	Seq. ID	OJ990526_02.9C08.C67
Gene No.	42515	Strand	-
Start	1	End	1460
Name	OJ990526_02.9C08.C67.o1.gs	Method	GENSCAN
Start	144	End	1460
GI	none	Score	.6
Exons	144..540, 595..695, 820..1122, 1255..1460		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42516	Strand	+
Start	1528	End	1696

Name	OJ990526_02.9C08.C69.o2.gp	Method	AAT/GAP
Start	1528	End	1696
GI	24824_1.R1084	Score	252
Exons	1528..1696		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42517	Strand	-
Start	1	End	335
Name	OJ990526_02.9C08.C69.o1.np	Method	AAT/NAP
Start	1	End	335
GI	82520	Score	293
Exons	1..335		
GI Descrip.	hypothetical 16K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11994|emb|CAA34006| (X15901) ORF133 [Oryza sativa] gi|226615|prf||1603356AM ORF 133 [Oryza sativa]		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42518	Strand	-
Start	364	End	490
Name	OJ990526_02.9C08.C69.o2.np	Method	AAT/NAP
Start	364	End	490
GI	82529	Score	181
Exons	364..490		
GI Descrip.	hypothetical 5K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11993|emb|CAA34005| (X15901) ORF42; homology to rpl23 [Oryza sativa] gi|226614|prf||1603356AL rpl23-like ORF 44 [Oryza sativa]		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42519	Strand	-
Start	655	End	1695
Name	OJ990526_02.9C08.C69.o1.tm	Method	TBLASTX:Maize
Start	630	End	1111
GI	none	Score	69
Exons	630..728, 635..712, 813..1028, 813..1025, 827..1027, 1019..1111, 1027..1110		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42519	Strand	-
Start	655	End	1695
Name	OJ990526_02.9C08.C69.o1.gp	Method	AAT/GAP
Start	655	End	1431
GI	14384_1.R1084	Score	1209
Exons	655..1431		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42519	Strand	-
Start	655	End	1695
Name	OJ990526_02.9C08.C69.o1.tw	Method	TBLASTX:Wheat
Start	783	End	1513
GI	none	Score	357
Exons	783..1028, 783..1025, 827..1027, 1026..1109, 1028..1111,		

1028..1120, 1109..1510, 1111..1506, 1112..1513

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42519	Strand	-
Start	655	End	1695
Name	OJ990526_02.9C08.C69.o3.np	Method	AAT/NAP
Start	786	End	1695
GI	132005	Score	1353
Exons	786..1695		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE LARGE CHAIN PRECURSOR (RUBISCO LARGE SUBUNIT) gi|68145|pir||RKRZL ribulose-bisphosphate carboxylase (EC 4.1.1.39) large chain precursor - rice chloroplast gi|11992|emb|CAA34004| (X15901) rbcL; RuBisCO large subunit [Oryza sativa] gi|344017|dbj|BAA00147| (D00207) ribulose 1,5-bisphosphate carboxylase large subunit [Oryza sativa] gi|22		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42519	Strand	-
Start	655	End	1695
Name	OJ990526_02.9C08.C69.o1.tc	Method	TBLASTX:Cress
Start	795	End	1055
GI	none	Score	305
Exons	795..1028, 795..1028, 931..1029, 1010..1054, 1028..1054, 1029..1055		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42519	Strand	-
Start	655	End	1695
Name	OJ990526_02.9C08.C69.o2.tc	Method	TBLASTX:Cress
Start	1135	End	1281
GI	none	Score	188
Exons	1135..1281, 1146..1280		

Seq. No.	20356	Seq. ID	OJ990526_02.9C08.C69
Gene No.	42519	Strand	-
Start	655	End	1695
Name	OJ990526_02.9C08.C69.o2.tm	Method	TBLASTX:Maize
Start	1226	End	1662
GI	none	Score	219
Exons	1226..1588, 1231..1509, 1615..1662		

Seq. No.	20357	Seq. ID	OJ990526_02.9C08.C71
Gene No.	42520	Strand	+
Start	75	End	138
Name	OJ990526_02.9C08.C71.o1.gs	Method	GENSCAN
Start	75	End	138
GI	none	Score	.55
Exons	75..138		

Seq. No.	20358	Seq. ID	OJ990526_02.9C08.C73
Gene No.	42521	Strand	-
Start	708	End	812
Name	OJ990526_02.9C08.C73.o1.gs	Method	GENSCAN
Start	708	End	812
GI	none	Score	.94
Exons	708..812		

Seq. No.	20359	Seq. ID	OJ990526_02.9C08.C74
Gene No.	42522	Strand	+
Start	514	End	651
Name	OJ990526_02.9C08.C74.o1.gs	Method	GENSCAN
Start	514	End	651
GI	none	Score	.85
Exons	514..651		

Seq. No.	20360	Seq. ID	OJ990526_02.9C08.C75
Gene No.	42523	Strand	-
Start	74	End	285
Name	OJ990526_02.9C08.C75.o1.gs	Method	GENSCAN
Start	74	End	285
GI	none	Score	.98
Exons	74..285		

Seq. No.	20361	Seq. ID	OJ990526_02.9C08.C77
Gene No.	42524	Strand	+
Start	86	End	598
Name	OJ990526_02.9C08.C77.o1.gs	Method	GENSCAN
Start	86	End	598
GI	none	Score	.86
Exons	86..598		

Seq. No.	20362	Seq. ID	OJ990526_02.9C08.C78
Gene No.	42525	Strand	+
Start	6583	End	7537
Name	OJ990526_02.9C08.C78.o2.np	Method	AAT/NAP
Start	6583	End	7537
GI	5690095	Score	368
Exons	6583..7537		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	20362	Seq. ID	OJ990526_02.9C08.C78
Gene No.	42526	Strand	-
Start	2331	End	5294
Name	OJ990526_02.9C08.C78.o1.np	Method	AAT/NAP
Start	908	End	4318
GI	6911863	Score	745
Exons	908..976, 2747..2868, 3284..3543, 3619..3906, 3985..4173, 4262..4318		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	20362	Seq. ID	OJ990526_02.9C08.C78
Gene No.	42526	Strand	-
Start	2331	End	5294
Name	OJ990526_02.9C08.C78.o1.gs	Method	GENSCAN
Start	2331	End	5294
GI	none	Score	.87
Exons	2331..2868, 3284..3543, 3619..4173, 5061..5294		

Seq. No.	20362	Seq. ID	OJ990526_02.9C08.C78
Gene No.	42526	Strand	-
Start	2331	End	5294
Name	OJ990526_02.9C08.C78.o1.tm	Method	TBLASTX:Maize
Start	2754	End	4291
GI	none	Score	72

Exons	2754..2870, 3277..3393, 3280..3570, 3293..3532, 3622..3786, 3623..3682, 3796..3912, 3824..3913, 3991..4149, 4070..4171, 4253..4291		
Seq. No.	20362	Seq. ID	OJ990526_02.9C08.C78
Gene No.	42526	Strand	-
Start	2331	End	5294
Name	OJ990526_02.9C08.C78.o1.ts	Method	TBLASTX:Soybean
Start	2754	End	3903
GI	none	Score	143
Exons	2754..2870, 3280..3570, 3293..3574, 3622..3786, 3623..3682, 3829..3903, 3830..3886		
Seq. No.	20362	Seq. ID	OJ990526_02.9C08.C78
Gene No.	42526	Strand	-
Start	2331	End	5294
Name	OJ990526_02.9C08.C78.o1.tc	Method	TBLASTX:Cress
Start	3466	End	4171
GI	none	Score	49
Exons	3466..3543, 3470..3544, 3622..3786, 3623..3682, 3829..3933, 3830..3886, 4010..4171, 4069..4149		
Seq. No.	20362	Seq. ID	OJ990526_02.9C08.C78
Gene No.	42526	Strand	-
Start	2331	End	5294
Name	OJ990526_02.9C08.C78.o1.tw	Method	TBLASTX:Wheat
Start	3520	End	3925
GI	none	Score	75
Exons	3520..3570, 3625..3786, 3626..3682, 3823..3912, 3824..3925		
Seq. No.	20362	Seq. ID	OJ990526_02.9C08.C78
Gene No.	42527	Strand	
Start	6854	End	7414
Name	OJ990526_02.9C08.C78.o2.tm	Method	TBLASTX:Maize
Start	6854	End	7414
GI	none	Score	90
Exons	6854..6997, 7010..7300, 7072..7290, 7358..7414		
Seq. No.	20363	Seq. ID	OJ990526_02.9C08.C80
Gene No.	42528	Strand	-
Start	213	End	259
Name	OJ990526_02.9C08.C80.o1.gs	Method	GENSCAN
Start	213	End	259
GI	none	Score	.52
Exons	213..259		
Seq. No.	20364	Seq. ID	OJ990526_02.9C08.C81
Gene No.	42529	Strand	-
Start	265	End	1023
Name	OJ990526_02.9C08.C81.o1.gs	Method	GENSCAN
Start	265	End	1023
GI	none	Score	.75
Exons	265..428, 613..899, 1005..1023		
Seq. No.	20365	Seq. ID	OJ990526_02.9C08.C82
Gene No.	42530	Strand	-
Start	65	End	259

Name	OJ990526_02.9C08.C82.o1.gs	Method	GENSCAN
Start	65	End	259
GI	none	Score	.51
Exons	65..259		

Seq. No.	20366	Seq. ID	OJ990526_02.9C08.C86
Gene No.	42531	Strand	+
Start	1	End	108
Name	OJ990526_02.9C08.C86.o1.np	Method	AAT/NAP
Start	1	End	108
GI	2352797	Score	92
Exons	1..108		
GI Descrip.	(AF007794) retinoblastoma-related protein 2a [Zea mays]		

Seq. No.	20366	Seq. ID	OJ990526_02.9C08.C86
Gene No.	42532	Strand	-
Start	408	End	500
Name	OJ990526_02.9C08.C86.o1.gs	Method	GENSCAN
Start	408	End	500
GI	none	Score	.77
Exons	408..500		

Seq. No.	20367	Seq. ID	OJ990526_02.9C08.C87
Gene No.	42533	Strand	-
Start	47	End	702
Name	OJ990526_02.9C08.C87.o1.gs	Method	GENSCAN
Start	47	End	702
GI	none	Score	.64
Exons	47..339, 418..702		

Seq. No.	20368	Seq. ID	OJ990526_02.9C08.C88
Gene No.	42534	Strand	+
Start	175	End	917
Name	OJ990526_02.9C08.C88.o1.np	Method	AAT/NAP
Start	175	End	917
GI	2352795	Score	467
Exons	175..392, 538..604, 704..917		
GI Descrip.	(AF007793) retinoblastoma-related protein 1 [Zea mays]		

Seq. No.	20368	Seq. ID	OJ990526_02.9C08.C88
Gene No.	42534	Strand	+
Start	175	End	917
Name	OJ990526_02.9C08.C88.o1.tm	Method	TBLASTX:Maize
Start	192	End	884
GI	none	Score	237
Exons	192..386, 197..397, 208..393, 209..394, 537..602, 537..608, 538..603, 690..725, 700..723, 717..881, 718..882, 726..884, 727..882		

Seq. No.	20369	Seq. ID	OJ990526_02.9C08.C89
Gene No.	42535	Strand	+
Start	1	End	3433
Name	OJ990526_02.9C08.C89.o1.np	Method	AAT/NAP
Start	1	End	3433
GI	2352795	Score	1743
Exons	1..558, 1485..1641, 1753..1825, 1911..2084, 2499..2621, 2738..2855, 2950..3062, 3233..3433		

GI Descrip. (AF007793) retinoblastoma-related protein 1 [Zea mays]

Seq. No.	20369	Seq. ID	OJ990526_02.9C08.C89
Gene No.	42535	Strand	+
Start	1	End	3433
Name	OJ990526_02.9C08.C89.o3.tm	Method	TBLASTX:Maize
Start	7	End	257
GI	none	Score	320
Exons	7..249, 12..257, 38..256		

Seq. No.	20369	Seq. ID	OJ990526_02.9C08.C89
Gene No.	42535	Strand	+
Start	1	End	3433
Name	OJ990526_02.9C08.C89.o1.gs	Method	GENSCAN
Start	51	End	3348
GI	none	Score	.58
Exons	51..558, 1485..1641, 1753..1825, 1911..2084, 2729..2855, 2950..3062, 3233..3348		

Seq. No.	20369	Seq. ID	OJ990526_02.9C08.C89
Gene No.	42535	Strand	+
Start	1	End	3433
Name	OJ990526_02.9C08.C89.o1.ts	Method	TBLASTX:Soybean
Start	351	End	3040
GI	none	Score	61
Exons	351..395, 353..397, 396..533, 398..529, 1733..1828, 1750..1824, 1908..1958, 1965..2087, 1995..2093, 2000..2095, 2472..2591, 2496..2591, 2735..2845, 2946..3038, 2957..3040		

Seq. No.	20369	Seq. ID	OJ990526_02.9C08.C89
Gene No.	42535	Strand	+
Start	1	End	3433
Name	OJ990526_02.9C08.C89.o1.tm	Method	TBLASTX:Maize
Start	377	End	2069
GI	none	Score	204
Exons	377..532, 378..536, 378..548, 1475..1639, 1483..1641, 1484..1639, 1733..1828, 1741..1824, 1745..1825, 1908..2066, 1910..2068, 1911..2069, 1915..2067		

Seq. No.	20369	Seq. ID	OJ990526_02.9C08.C89
Gene No.	42535	Strand	+
Start	1	End	3433
Name	OJ990526_02.9C08.C89.o1.gp	Method	AAT/GAP
Start	1472	End	2542
GI	uC-osflm202099h06b1	Score	795
Exons	1472..1641, 1753..1825, 1911..2084, 2499..2542		
GI Descrip.	'2352795 9.0e-61 (AF007793) retinoblastoma-related protein 1 [Zea mays]'		

Seq. No.	20369	Seq. ID	OJ990526_02.9C08.C89
Gene No.	42535	Strand	+
Start	1	End	3433
Name	OJ990526_02.9C08.C89.o2.tm	Method	TBLASTX:Maize
Start	2495	End	3353
GI	none	Score	171
Exons	2495..2617, 2496..2621, 2519..2611, 2727..2846, 2728..2847, 2731..2853, 2738..2854, 2948..3061, 2949..3065, 3213..3329,		

3215..3352, 3218..3346, 3231..3353, 3235..3348

Seq. No.	20370	Seq. ID	OJ990526_02.9C08.C90
Gene No.	42536	Strand	+
Start	1	End	431
Name	OJ990526_02.9C08.C90.o1.np	Method	AAT/NAP
Start	1	End	431
GI	2352797	Score	316
Exons	1..166, 284..431		
GI Descrip.	(AF007794) retinoblastoma-related protein 2a [Zea mays]		

Seq. No.	20370	Seq. ID	OJ990526_02.9C08.C90
Gene No.	42537	Strand	+
Start	577	End	715
Name	OJ990526_02.9C08.C90.o1.gp	Method	AAT/GAP
Start	577	End	715
GI	2797961	Score	250
Exons	577..715		

Seq. No.	20370	Seq. ID	OJ990526_02.9C08.C90
Gene No.	42538	Strand	-
Start	3223	End	4520
Name	OJ990526_02.9C08.C90.o2.np	Method	AAT/NAP
Start	3223	End	4520
GI	6539570	Score	168
Exons	3223..3314, 4073..4139, 4317..4520		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	20370	Seq. ID	OJ990526_02.9C08.C90
Gene No.	42539	Strand	-
Start	4647	End	4724
Name	OJ990526_02.9C08.C90.o3.np	Method	AAT/NAP
Start	4647	End	4724
GI	6630699	Score	81
Exons	4647..4724		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	20370	Seq. ID	OJ990526_02.9C08.C90
Gene No.	42540	Strand	-
Start	6187	End	8044
Name	OJ990526_02.9C08.C90.o1.tm	Method	TBLASTX:Maize
Start	33	End	527
GI	none	Score	168
Exons	33..170, 36..170, 49..171, 50..172, 246..371, 252..473, 260..475, 260..481, 498..527		

Seq. No.	20370	Seq. ID	OJ990526_02.9C08.C90
Gene No.	42540	Strand	-
Start	6187	End	8044
Name	OJ990526_02.9C08.C90.o4.gs	Method	GENSCAN
Start	6187	End	8044
GI	none	Score	.69
Exons	6187..6273, 6694..6768, 7165..7186, 7575..7625, 7983..8044		

Seq. No.	20371	Seq. ID	OJ990526_02.9C08.C91

Gene No.	42541	Strand	-
Start	133	End	3663
Name	OJ990526_02.9C08.C91.o1.gs	Method	GENSCAN
Start	133	End	3663
GI	none	Score	.71
Exons	133..459, 2109..2258, 2328..3191, 3352..3480, 3587..3663		

Seq. No.	20371	Seq. ID	OJ990526_02.9C08.C91
Gene No.	42541	Strand	-
Start	133	End	3663
Name	OJ990526_02.9C08.C91.o1.np	Method	AAT/NAP
Start	791	End	3158
GI	5803254	Score	307
Exons	791..833, 2118..2233, 2306..3158		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	20372	Seq. ID	OJ990526_02.9C08.C92
Gene No.	42542	Strand	+
Start	232	End	876
Name	OJ990526_02.9C08.C92.o1.gs	Method	GENSCAN
Start	232	End	876
GI	none	Score	.94
Exons	232..307, 719..876		

Seq. No.	20372	Seq. ID	OJ990526_02.9C08.C92
Gene No.	42543	Strand	+
Start	1286	End	1600
Name	OJ990526_02.9C08.C92.o2.gs	Method	GENSCAN
Start	1286	End	1600
GI	none	Score	.9
Exons	1286..1600		

Seq. No.	20372	Seq. ID	OJ990526_02.9C08.C92
Gene No.	42544	Strand	-
Start	2176	End	2334
Name	OJ990526_02.9C08.C92.o3.gs	Method	GENSCAN
Start	2176	End	2334
GI	none	Score	.64
Exons	2176..2334		

Seq. No.	20373	Seq. ID	OJ990526_02.9C08.C93
Gene No.	42545	Strand	+
Start	471	End	834
Name	OJ990526_02.9C08.C93.o1.gs	Method	GENSCAN
Start	471	End	834
GI	none	Score	.82
Exons	471..529, 703..834		

Seq. No.	20373	Seq. ID	OJ990526_02.9C08.C93
Gene No.	42546	Strand	+
Start	987	End	1619
Name	OJ990526_02.9C08.C93.o1.np	Method	AAT/NAP
Start	987	End	1619
GI	6721516	Score	228
Exons	987..1284, 1561..1619		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	20374	Seq. ID	OJ990526_02.9C08.C94
Gene No.	42547	Strand	+
Start	127	End	3030
Name	OJ990526_02.9C08.C94.o1.np	Method	AAT/NAP
Start	127	End	542
GI	6815053	Score	356
Exons	127..542		

GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	20374	Seq. ID	OJ990526_02.9C08.C94
Gene No.	42547	Strand	+
Start	127	End	3030
Name	OJ990526_02.9C08.C94.o1.gs	Method	GENSCAN
Start	235	End	3030
GI	none	Score	.7
Exons	235..311, 2290..2359, 2475..2518, 2860..3030		

Seq. No.	20375	Seq. ID	OJ990526_02.9C08.C95
Gene No.	42548	Strand	+
Start	650	End	2108
Name	OJ990526_02.9C08.C95.o1.gs	Method	GENSCAN
Start	650	End	2062
GI	none	Score	.94
Exons	650..661, 1940..2062		

Seq. No.	20375	Seq. ID	OJ990526_02.9C08.C95
Gene No.	42548	Strand	+
Start	650	End	2108
Name	OJ990526_02.9C08.C95.o1.np	Method	AAT/NAP
Start	1860	End	2108
GI	5852172	Score	55
Exons	1860..1928, 2029..2108		

GI Descrip. (AL117265) zhb0002.1 [Oryza sativa]

Seq. No.	20375	Seq. ID	OJ990526_02.9C08.C95
Gene No.	42549	Strand	+
Start	3123	End	4659
Name	OJ990526_02.9C08.C95.o2.gs	Method	GENSCAN
Start	3123	End	4659
GI	none	Score	.6
Exons	3123..3202, 4400..4462, 4560..4659		

Seq. No.	20375	Seq. ID	OJ990526_02.9C08.C95
Gene No.	42550	Strand	-
Start	5841	End	7756
Name	OJ990526_02.9C08.C95.o3.gs	Method	GENSCAN
Start	5841	End	7756
GI	none	Score	.66
Exons	5841..5965, 5973..6283, 7128..7226, 7611..7756		

Seq. No.	20375	Seq. ID	OJ990526_02.9C08.C95
Gene No.	42550	Strand	-
Start	5841	End	7756
Name	OJ990526_02.9C08.C95.o1.gp	Method	AAT/GAP
Start	7064	End	7440

GI	5816475	Score	545
Exons	7064..7440		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	20376	Seq. ID	OJ990526_02.9C08.C100
Gene No.	42551	Strand	+
Start	72	End	283
Name	OJ990526_02.9C08.C100.o1.gs	Method	GENSCAN
Start	72	End	283
GI	none	Score	.4
Exons	72..283		

Seq. No.	20377	Seq. ID	OJ990526_02.9C08.C101
Gene No.	42552	Strand	-
Start	1	End	734
Name	OJ990526_02.9C08.C101.o1.np	Method	AAT/NAP
Start	1	End	734
GI	6513947	Score	288
Exons	1..185, 469..734		
GI Descrip.	(AC011664) putative helicase [Arabidopsis thaliana]		

Seq. No.	20377	Seq. ID	OJ990526_02.9C08.C101
Gene No.	42552	Strand	-
Start	1	End	734
Name	OJ990526_02.9C08.C101.o1.gp	Method	AAT/GAP
Start	59	End	578
GI	uC-osroM202017b01b1	Score	297
Exons	59..103, 173..202, 469..578		
GI Descrip.	'3914015/sp|Q55750|MFD_SYNY3 5.0e-26 TRANSCRIPTION-REPAIR COUPLING FACTOR (TRCF) >gi_1001661_dbj_BAA10395_ (D64002) transcription-repair coupling factor [Synechocystis sp.]'		

Seq. No.	20378	Seq. ID	OJ990526_02.9C08.C102
Gene No.	42553	Strand	+
Start	48	End	330
Name	OJ990526_02.9C08.C102.o1.gs	Method	GENSCAN
Start	48	End	330
GI	none	Score	.94
Exons	48..330		

Seq. No.	20378	Seq. ID	OJ990526_02.9C08.C102
Gene No.	42554	Strand	-
Start	1	End	448
Name	OJ990526_02.9C08.C102.o1.gp	Method	AAT/GAP
Start	1	End	448
GI	2428683	Score	814
Exons	1..448		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42555	Strand	+
Start	697	End	4792
Name	OJ990716_02.9C10.C3.o1.np	Method	AAT/NAP
Start	697	End	4596
GI	4454011	Score	288
Exons	697..854, 2033..2085, 4204..4596		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42555	Strand	+
Start	697	End	4792
Name	OJ990716_02.9C10.C3.o1.gp	Method	AAT/GAP
Start	714	End	4271
GI	2427521	Score	813
Exons	714..903, 1204..1408, 4206..4271		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42555	Strand	+
Start	697	End	4792
Name	OJ990716_02.9C10.C3.o2.gp	Method	AAT/GAP
Start	4269	End	4792
GI	LIB3434-047-P1-K1-A6	Score	737
Exons	4269..4566, 4654..4792		
GI Descrip.	'4454011/emb|CAA23064| 7.0e-13 (AL035396) putative protein [Arabidopsis thaliana]'		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42556	Strand	+
Start	9469	End	9546
Name	OJ990716_02.9C10.C3.o3.np	Method	AAT/NAP
Start	9469	End	9546
GI	6630699	Score	72
Exons	9469..9546		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42557	Strand	+
Start	10691	End	19983
Name	OJ990716_02.9C10.C3.o3.gs	Method	GENSCAN
Start	10691	End	12170
GI	none	Score	.55
Exons	10691..10934, 11069..11142, 11202..11471, 11490..12170		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42557	Strand	+
Start	10691	End	19983
Name	OJ990716_02.9C10.C3.o5.np	Method	AAT/NAP
Start	11389	End	15285
GI	5922631	Score	2591
Exons	11389..12161, 12768..14034, 14074..15285		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42557	Strand	+
Start	10691	End	19983
Name	OJ990716_02.9C10.C3.o4.gs	Method	GENSCAN

Start	12423	End	14697
GI	none	Score	.82
Exons	12423..13024, 13223..13608, 13700..14697		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42557	Strand	+
Start	10691	End	19983
Name	OJ990716_02.9C10.C3.o7.np	Method	AAT/NAP
Start	13832	End	17882
GI	4680183	Score	112
Exons	13832..13853, 17800..17882		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42557	Strand	+
Start	10691	End	19983
Name	OJ990716_02.9C10.C3.o5.gs	Method	GENSCAN
Start	14945	End	15277
GI	none	Score	.77
Exons	14945..15277		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42557	Strand	+
Start	10691	End	19983
Name	OJ990716_02.9C10.C3.o8.np	Method	AAT/NAP
Start	16713	End	19983
GI	6815109	Score	313
Exons	16713..16787, 18585..18661, 18728..19171, 19321..19646, 19678..19842, 19881..19983		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42558	Strand	+
Start	41176	End	47785
Name	OJ990716_02.9C10.C3.o11.np	Method	AAT/NAP
Start	41176	End	47785
GI	5922631	Score	2877
Exons	41176..41263, 41573..42001, 42044..42203, 42324..43216, 43823..44678, 46090..46533, 46573..47785		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42559	Strand	+
Start	56921	End	62053
Name	OJ990716_02.9C10.C3.o6.gp	Method	AAT/GAP
Start	56921	End	59255
GI	42439_1.R1084	Score	1127
Exons	56921..57062, 58817..59255		
GI Descrip.	'4539453/emb|CAB39933.1| 2.0e-44 (AL049500) putative protein [Arabidopsis thaliana]'		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42559	Strand	+
Start	56921	End	62053
Name	OJ990716_02.9C10.C3.o10.gs	Method	GENSCAN
Start	58862	End	61897
GI	none	Score	.5
Exons	58862..61897		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42559	Strand	+
Start	56921	End	62053
Name	OJ990716_02.9C10.C3.o13.np	Method	AAT/NAP
Start	59555	End	61894
GI	6729531	Score	2720
Exons	59555..61894		
GI Descrip.	(AL132977) anthranilate phosphoribosyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42559	Strand	+
Start	56921	End	62053
Name	OJ990716_02.9C10.C3.o7.gp	Method	AAT/GAP
Start	60302	End	61453
GI	27359_1.R1084	Score	2217
Exons	60302..61453		
GI Descrip.	'4539452/emb|CAB39932.1| 1.0e-149 (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42559	Strand	+
Start	56921	End	62053
Name	OJ990716_02.9C10.C3.o8.gp	Method	AAT/GAP
Start	61506	End	62053
GI	10694_1.R1084	Score	1006
Exons	61506..62053		
GI Descrip.	'4539452/emb|CAB39932.1| 8.0e-50 (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42560	Strand	+
Start	75162	End	78952
Name	OJ990716_02.9C10.C3.o14.np	Method	AAT/NAP
Start	75162	End	78952
GI	6630696	Score	5978
Exons	75162..78952		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42561	Strand	+
Start	82281	End	82427
Name	OJ990716_02.9C10.C3.o9.gp	Method	AAT/GAP
Start	82281	End	82427
GI	21474_1.R1084	Score	241
Exons	82281..82427		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis		

thaliana]'

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42562	Strand	-
Start	7334	End	8800
Name	OJ990716_02.9C10.C3.o2.gs	Method	GENSCAN
Start	7334	End	8800
GI	none	Score	.92
Exons	7334..7484, 7951..8200, 8764..8800		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42562	Strand	-
Start	7334	End	8800
Name	OJ990716_02.9C10.C3.o2.np	Method	AAT/NAP
Start	7337	End	8219
GI	1419368	Score	570
Exons	7337..7484, 7951..8219		
GI Descrip.	(X97725) actin depolymerizing factor [Zea mays]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42562	Strand	-
Start	7334	End	8800
Name	OJ990716_02.9C10.C3.o3.gp	Method	AAT/GAP
Start	7431	End	8506
GI	28813_1.R1084	Score	834
Exons	7431..7484, 7951..8216, 8382..8506		
GI Descrip.	'1419368/emb|CAA66310| 6.0e-44 (X97725) actin depolymerizing factor [Zea mays]'		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42563	Strand	-
Start	11006	End	11141
Name	OJ990716_02.9C10.C3.o4.np	Method	AAT/NAP
Start	11006	End	11141
GI	6721512	Score	89
Exons	11006..11141		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42564	Strand	-
Start	15939	End	29504
Name	OJ990716_02.9C10.C3.o6.gs	Method	GENSCAN
Start	15939	End	29504
GI	none	Score	.47
Exons	15939..16456, 16555..16700, 18543..18985, 19087..19584, 21020..21123, 22583..23245, 23365..23805, 23840..23980, 24139..24226, 24485..24600, 26732..26848, 26943..27445, 27770..27845, 27951..28037, 29495..29504		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42564	Strand	-
Start	15939	End	29504
Name	OJ990716_02.9C10.C3.o6.np	Method	AAT/NAP
Start	16822	End	18886
GI	6721561	Score	92
Exons	16822..16921, 18831..18886		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42564	Strand	-
Start	15939	End	29504
Name	OJ990716_02.9C10.C3.o4.gp	Method	AAT/GAP
Start	17057	End	17162
GI	uC-osflcyp088b12b1	Score	145
Exons	17057..17162		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42564	Strand	-
Start	15939	End	29504
Name	OJ990716_02.9C10.C3.o9.np	Method	AAT/NAP
Start	23561	End	25623
GI	6721561	Score	87
Exons	23561..23592, 25516..25623		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42564	Strand	-
Start	15939	End	29504
Name	OJ990716_02.9C10.C3.o5.gp	Method	AAT/GAP
Start	24934	End	25026
GI	uC-osflcyp088b12b1	Score	136
Exons	24934..25026		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42564	Strand	-
Start	15939	End	29504
Name	OJ990716_02.9C10.C3.o10.np	Method	AAT/NAP
Start	26561	End	28294
GI	6721512	Score	57
Exons	26561..26634, 28187..28294		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42565	Strand	-
Start	49346	End	56849
Name	OJ990716_02.9C10.C3.o12.np	Method	AAT/NAP
Start	49343	End	51528
GI	6721561	Score	1187
Exons	49343..50108, 50182..50240, 50310..50501, 51460..51528		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)		

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42565	Strand	-
Start	49346	End	56849
Name	OJ990716_02.9C10.C3.o9.gs	Method	GENSCAN
Start	49346	End	56849
GI	none	Score	.79
Exons	49346..50108, 50182..50501, 50569..50692, 50851..50965, 50992..51102, 51620..51742, 56777..56849		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42566	Strand	-
Start	67315	End	69098
Name	OJ990716_02.9C10.C3.o12.gs	Method	GENSCAN
Start	67315	End	69098
GI	none	Score	.72
Exons	67315..67469, 68645..68839, 68933..69098		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	695	End	4819
GI	none	Score	133
Exons	695..784, 697..792, 698..784, 779..904, 781..903, 786..908, 788..907, 889..909, 4200..4436, 4204..4449, 4204..4440, 4398..4568, 4415..4573, 4429..4566, 4437..4568, 4651..4707, 4653..4718, 4653..4718, 4654..4725, 4727..4762, 4727..4774, 4790..4819		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o19.tw	Method	TBLASTX:Wheat
Start	7334	End	7496
GI	none	Score	70
Exons	7334..7483, 7335..7496, 7341..7409, 7361..7486, 7372..7494		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	7334	End	8217
GI	none	Score	210
Exons	7334..7483, 7950..8216, 7951..8217		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o9.tm	Method	TBLASTX:Maize
Start	7374	End	8217
GI	none	Score	141
Exons	7374..7460, 7375..7461, 7376..7483, 7950..8216, 7951..8217		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3

Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o3.tc	Method	TBLASTX:Cress
Start	7417	End	8217
GI	none	Score	70
Exons	7417..7458, 7418..7480, 7950..8216, 7960..8217		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o11.tw	Method	TBLASTX:Wheat
Start	7950	End	8217
GI	none	Score	223
Exons	7950..8216, 7951..8217		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o8.tw	Method	TBLASTX:Wheat
Start	11532	End	43042
GI	none	Score	150
Exons	11532..11714, 11540..11713, 11751..11987, 11753..11869, 11763..11972, 17722..17826, 25564..25728, 42587..42769, 42595..42768, 42806..43042, 42818..43027		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	12179	End	43689
GI	none	Score	529
Exons	12179..12310, 12180..12635, 12428..12634, 43235..43678, 43235..43675, 43243..43689		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	12309	End	43720
GI	none	Score	404
Exons	12309..12665, 12363..12611, 12431..12664, 43364..43720, 43426..43719		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o12.tm	Method	TBLASTX:Maize
Start	12693	End	44129
GI	none	Score	327
Exons	12693..13076, 12860..13075, 43821..44129, 43829..44128		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o5.tw	Method	TBLASTX:Wheat
Start	12750	End	44216
GI	none	Score	454

Exons	12750..13172, 12753..13139, 12860..13174, 43805..43837, 43843..43959, 43845..44216, 43850..44209		
Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o5.ts	Method	TBLASTX:Soybean
Start	12804	End	44216
GI	none	Score	311
Exons	12804..13229, 12863..12988, 43881..44216, 43883..44041, 44081..44125		
Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o14.tw	Method	TBLASTX:Wheat
Start	13319	End	46191
GI	none	Score	213
Exons	13319..13546, 13320..13544, 13554..13709, 13583..13675, 44369..44596, 44370..44594, 44604..44693, 46066..46191		
Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o18.tw	Method	TBLASTX:Wheat
Start	13711	End	46551
GI	none	Score	196
Exons	13711..13989, 13716..13790, 13830..13985, 46251..46550, 46252..46551		
Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o10.tm	Method	TBLASTX:Maize
Start	14194	End	46999
GI	none	Score	353
Exons	14194..14499, 14211..14498, 46694..46999, 46711..46881, 46915..46998		
Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o10.tw	Method	TBLASTX:Wheat
Start	14194	End	47077
GI	none	Score	366
Exons	14194..14580, 14202..14576, 46694..47077, 46702..47076		
Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o14.tm	Method	TBLASTX:Maize
Start	14650	End	76952
GI	none	Score	69
Exons	14650..14808, 47150..47308, 76488..76952		
Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-

Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o6.tw	Method	TBLASTX:Wheat
Start	14701	End	47809
GI	none	Score	148
Exons	14701..14877, 14715..14804, 14798..15136, 14869..14958, 15178..15309, 15183..15308, 47201..47650, 47206..47304, 47350..47457, 47678..47809, 47683..47808		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o17.tm	Method	TBLASTX:Maize
Start	15008	End	47773
GI	none	Score	96
Exons	15008..15133, 15133..15189, 15190..15273, 47507..47689, 47564..47695, 47683..47739, 47690..47773		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o15.tw	Method	TBLASTX:Wheat
Start	41559	End	41956
GI	none	Score	59
Exons	41559..41609, 41610..41723, 41621..41671, 41697..41783, 41758..41901, 41780..41956		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o19.tm	Method	TBLASTX:Maize
Start	58876	End	59137
GI	none	Score	80
Exons	58876..58926, 58880..58927, 59033..59137, 59033..59131, 59038..59136		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o7.ts	Method	TBLASTX:Soybean
Start	58877	End	59290
GI	none	Score	43
Exons	58877..58924, 58925..59290, 59110..59256		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o4.tc	Method	TBLASTX:Cress
Start	58928	End	59914
GI	none	Score	85
Exons	58928..59035, 59575..59631, 59626..59811, 59663..59914, 59663..59905, 59665..59913		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	58928	End	60064

GI	none	Score	86
Exons	58928..59032, 59740..60063, 59741..60064		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o4.tw	Method	TBLASTX:Wheat
Start	58931	End	61125
GI	none	Score	64
Exons	58931..59047, 60722..60862, 60725..60880, 60733..60873, 60907..61125, 60908..61120		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o12.tw	Method	TBLASTX:Wheat
Start	59136	End	59488
GI	none	Score	60
Exons	59136..59210, 59137..59250, 59141..59248, 59260..59412, 59275..59415, 59277..59420, 59285..59452, 59411..59488, 59413..59454, 59464..59481		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o15.tm	Method	TBLASTX:Maize
Start	59329	End	59737
GI	none	Score	80
Exons	59329..59412, 59332..59415, 59333..59419, 59417..59497, 59444..59485, 59474..59569, 59474..59737, 59540..59566, 59564..59737		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	59678	End	60832
GI	none	Score	68
Exons	59678..59797, 60026..60097, 60028..60087, 60101..60220, 60142..60195, 60218..60484, 60220..60456, 60518..60832, 60522..60761, 60556..60825		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o8.ts	Method	TBLASTX:Soybean
Start	59798	End	59998
GI	none	Score	255
Exons	59798..59998, 59800..59994		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	60065	End	60556
GI	none	Score	645
Exons	60065..60478, 60065..60478, 60067..60486, 60476..60496,		

60478..60507, 60493..60552, 60494..60556, 60503..60556

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o5.tc	Method	TBLASTX:Cress
Start	60131	End	60514
GI	none	Score	96
Exons	60131..60223, 60134..60217, 60226..60483, 60227..60505, 60239..60514		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o2.tc	Method	TBLASTX:Cress
Start	60520	End	61135
GI	none	Score	238
Exons	60520..60705, 60521..60706, 60713..60877, 60713..60856, 60715..60897, 60908..61099, 60925..61110, 61099..61128, 61103..61135		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	60557	End	60861
GI	none	Score	412
Exons	60557..60859, 60559..60861, 60562..60861		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	60862	End	61660
GI	none	Score	1270
Exons	60862..61251, 60863..61660, 60899..61660		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	61028	End	61900
GI	none	Score	1169
Exons	61028..61900, 61028..61885, 61588..61893		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	61154	End	61830
GI	none	Score	918
Exons	61154..61798, 61220..61798, 61600..61830		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o7.tm	Method	TBLASTX:Maize

Start	61660	End	62049
GI	none	Score	387
Exons	61660..61908, 61661..61897, 61663..61902, 61932..61976, 61949..61990, 61999..62049, 61999..62049		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o9.tw	Method	TBLASTX:Wheat
Start	75057	End	75453
GI	none	Score	129
Exons	75057..75191, 75074..75154, 75231..75452, 75233..75442, 75243..75452, 75289..75453		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o16.tm	Method	TBLASTX:Maize
Start	75228	End	75480
GI	none	Score	242
Exons	75228..75461, 75251..75442, 75295..75480		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o8.tm	Method	TBLASTX:Maize
Start	75996	End	76400
GI	none	Score	370
Exons	75996..76304, 76015..76317, 76020..76319, 76037..76324, 76043..76324, 76353..76400		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o11.ts	Method	TBLASTX:Soybean
Start	76353	End	76730
GI	none	Score	85
Exons	76353..76499, 76482..76730		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o16.tw	Method	TBLASTX:Wheat
Start	76595	End	76787
GI	none	Score	254
Exons	76595..76777, 76596..76787, 76596..76787		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o6.ts	Method	TBLASTX:Soybean
Start	76740	End	77138
GI	none	Score	197
Exons	76740..76961, 76811..76960, 76965..77138		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-

Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	76788	End	77543
GI	none	Score	915
Exons	76788..77543, 76796..77293, 77010..77543		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o4.ts	Method	TBLASTX:Soybean
Start	77463	End	77917
GI	5509260	Score	291
Exons	77463..77825, 77558..77719, 77750..77782, 77840..77917		
GI Descrip.	-		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o6.tc	Method	TBLASTX:Cress
Start	77556	End	77816
GI	none	Score	278
Exons	77556..77816, 77558..77728		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o13.tm	Method	TBLASTX:Maize
Start	77598	End	78052
GI	none	Score	214
Exons	77598..77825, 77611..77676, 77751..77813, 77839..77898, 77840..78052		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o7.tw	Method	TBLASTX:Wheat
Start	77598	End	78133
GI	none	Score	226
Exons	77598..77828, 77840..77932, 77927..78133, 78001..78123		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o9.ts	Method	TBLASTX:Soybean
Start	77986	End	78334
GI	none	Score	139
Exons	77986..78150, 77987..78145, 78145..78333, 78146..78334		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o11.tm	Method	TBLASTX:Maize
Start	78136	End	78484
GI	none	Score	330
Exons	78136..78483, 78143..78484		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3

Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	78341	End	78816
GI	none	Score	107
Exons	78341..78415, 78342..78410, 78346..78429, 78346..78414, 78430..78816, 78431..78814		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o10.ts	Method	TBLASTX:Soybean
Start	78347	End	78688
GI	none	Score	88
Exons	78347..78466, 78479..78688, 78484..78609		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o18.tm	Method	TBLASTX:Maize
Start	78826	End	79145
GI	none	Score	117
Exons	78826..78915, 78827..78916, 78828..78917, 78937..79047, 78938..79060, 78939..79049, 78943..79050, 78945..79100, 79104..79130, 79105..79134, 79107..79145		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o17.tw	Method	TBLASTX:Wheat
Start	79091	End	79443
GI	none	Score	64
Exons	79091..79162, 79092..79163, 79092..79169, 79164..79235, 79166..79246, 79172..79234, 79235..79312, 79237..79305, 79339..79443, 79342..79413		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o14.gs	Method	GENSCAN
Start	81478	End	86468
GI	none	Score	.65
Exons	81478..81843, 81963..82167, 82817..82953, 83033..83131, 83226..83298, 83383..83493, 83590..83763, 83873..84558, 84560..84705, 84831..84972, 85047..86468		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o15.np	Method	AAT/NAP
Start	82786	End	86483
GI	4680204	Score	1069
Exons	82786..82923, 83274..83493, 83590..83763, 83873..84972, 85047..86483		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3

Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o16.np	Method	AAT/NAP
Start	82993	End	85209
GI	3873550	Score	77
Exons	82993..83102, 83894..84113, 84560..84756, 85118..85209		
GI Descrip.	(AL033534) hypothetical serine-rich secreted protein [Schizosaccharomyces pombe]		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o20.tw	Method	TBLASTX:Wheat
Start	83424	End	83946
GI	none	Score	68
Exons	83424..83495, 83595..83777, 83602..83727, 83866..83946		

Seq. No.	20379	Seq. ID	OJ990716_02.9C10.C3
Gene No.	42567	Strand	-
Start	81478	End	86483
Name	OJ990716_02.9C10.C3.o13.tw	Method	TBLASTX:Wheat
Start	85437	End	85840
GI	none	Score	84
Exons	85437..85607, 85570..85737, 85602..85838, 85689..85838, 85700..85840, 85730..85840		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42568	Strand	+
Start	80	End	340
Name	OJ990716_02.9C10.C4.o1.gs	Method	GENSCAN
Start	80	End	340
GI	none	Score	.99
Exons	80..340		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42569	Strand	+
Start	1155	End	1572
Name	OJ990716_02.9C10.C4.o4.gp	Method	AAT/GAP
Start	1155	End	1572
GI	LIB3431-028-P1-N1-A10	Score	836
Exons	1155..1572		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o1.gp	Method	AAT/GAP
Start	295	End	4384
GI	342_1.R1084	Score	6694
Exons	295..801, 911..1008, 1091..1110, 1146..4384		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573

Name	OJ990716_02.9C10.C4.o3.gp	Method	AAT/GAP
Start	295	End	4383
GI	342_1.R1084	Score	6692
Exons	295..801, 911..1008, 1091..1110, 1146..4383		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o2.gp	Method	AAT/GAP
Start	295	End	4379
GI	342_1.R1084	Score	6688
Exons	295..801, 911..1008, 1091..1110, 1146..4379		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o6.gp	Method	AAT/GAP
Start	428	End	4518
GI	342_1.R1084	Score	6645
Exons	428..801, 911..1008, 1091..1110, 1146..4518		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o7.gp	Method	AAT/GAP
Start	430	End	4518
GI	342_1.R1084	Score	6641
Exons	430..801, 911..1008, 1091..1110, 1146..4518		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o5.gp	Method	AAT/GAP
Start	431	End	4518
GI	342_1.R1084	Score	6639
Exons	431..801, 911..1008, 1091..1110, 1146..4518		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o1.np	Method	AAT/NAP
Start	1212	End	4573
GI	4680203	Score	3327
Exons	1212..2189, 2466..2696, 2850..4573		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4

Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o2.gs	Method	GENSCAN
Start	1218	End	4522
GI	none	Score	.74
Exons	1218..2776, 2786..3407, 3452..4522		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	1266	End	2583
GI	none	Score	131
Exons	1266..1358, 1347..1427, 1440..1580, 1441..1581, 1528..1623, 1560..1619, 1626..1670, 1631..1666, 1665..2582, 1680..1997, 1681..2583		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	1847	End	2299
GI	none	Score	92
Exons	1847..2098, 1848..1997, 1848..2291, 1852..2295, 1858..2295, 2153..2299		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	2226	End	2540
GI	none	Score	83
Exons	2226..2456, 2226..2540, 2254..2529		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o3.tw	Method	TBLASTX:Wheat
Start	2584	End	2994
GI	none	Score	81
Exons	2584..2670, 2586..2675, 2586..2669, 2702..2914, 2703..2921, 2743..2925, 2931..2993, 2944..2994		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	3027	End	3269
GI	none	Score	216
Exons	3027..3269		

Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	3099	End	3556
GI	none	Score	52

Exons	3099..3293, 3303..3422, 3303..3428, 3422..3544, 3428..3556		
Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o2.tw	Method	TBLASTX:Wheat
Start	3133	End	3601
GI	none	Score	173
Exons	3133..3339, 3133..3342, 3138..3362, 3342..3428, 3343..3429, 3443..3547, 3447..3536, 3548..3601, 3549..3593		
Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o2.tc	Method	TBLASTX:Cress
Start	3422	End	3737
GI	none	Score	74
Exons	3422..3730, 3450..3545, 3585..3737		
Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	3470	End	3899
GI	none	Score	103
Exons	3470..3766, 3483..3734, 3761..3823, 3816..3899, 3824..3898		
Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o4.tw	Method	TBLASTX:Wheat
Start	3820	End	4171
GI	none	Score	179
Exons	3820..4071, 3830..4081, 3831..4073, 4079..4171		
Seq. No.	20380	Seq. ID	OJ990716_02.9C10.C4
Gene No.	42570	Strand	-
Start	295	End	4573
Name	OJ990716_02.9C10.C4.o8.gp	Method	AAT/GAP
Start	4067	End	4570
GI	2310235	Score	245
Exons	4067..4092, 4383..4570		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	20381	Seq. ID	OJ990716_02.9C10.C6
Gene No.	42571	Strand	+
Start	1145	End	3056
Name	OJ990716_02.9C10.C6.o1.gp	Method	AAT/GAP
Start	1145	End	1459
GI	26826_1.R1084	Score	551
Exons	1145..1459		
GI Descrip.	'1945282/emb|Y11351|OSMYB1402 2.0e-15 O.sativa mRNA for myb factor, 1402 bp'		
Seq. No.	20381	Seq. ID	OJ990716_02.9C10.C6
Gene No.	42571	Strand	+

Start	1145	End	3056
Name	OJ990716_02.9C10.C6.o1.gs	Method	GENSCAN
Start	1176	End	1680
GI	none	Score	.41
Exons	1176..1680		

Seq. No.	20381	Seq. ID	OJ990716_02.9C10.C6
Gene No.	42571	Strand	+
Start	1145	End	3056
Name	OJ990716_02.9C10.C6.o1.np	Method	AAT/NAP
Start	1324	End	3056
GI	4454011	Score	99
Exons	1324..1551, 2942..3056		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	20382	Seq. ID	OJ990716_02.9C10.C7
Gene No.	42572	Strand	+
Start	1	End	886
Name	OJ990716_02.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	886
GI	4454011	Score	170
Exons	1..22, 115..212, 290..412, 828..886		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	20382	Seq. ID	OJ990716_02.9C10.C7
Gene No.	42572	Strand	+
Start	1	End	886
Name	OJ990716_02.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	109	End	423
GI	none	Score	85
Exons	109..180, 125..178, 184..213, 274..423, 284..412		

Seq. No.	20383	Seq. ID	OJ990716_02.9C10.C8
Gene No.	42573	Strand	+
Start	1	End	756
Name	OJ990716_02.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	756
GI	6721512	Score	73
Exons	1..98, 588..756		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	20383	Seq. ID	OJ990716_02.9C10.C8
Gene No.	42573	Strand	+
Start	1	End	756
Name	OJ990716_02.9C10.C8.o1.gs	Method	GENSCAN
Start	131	End	235
GI	none	Score	.62
Exons	131..235		

Seq. No.	20384	Seq. ID	OJ990716_02.9C10.C9
Gene No.	42574	Strand	-
Start	1	End	504
Name	OJ990716_02.9C10.C9.o1.gp	Method	AAT/GAP
Start	1	End	504
GI	2310235	Score	154
Exons	1..53, 467..504		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza		

sativa]

Seq. No.	20385	Seq. ID	OJ990716_02.9C10.C10
Gene No.	42575	Strand	+
Start	1	End	234
Name	OJ990716_02.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	234
GI	3327154	Score	125
Exons	1..234		
GI Descrip.	(AB014570) KIAA0670 protein [Homo sapiens]		

Seq. No.	20385	Seq. ID	OJ990716_02.9C10.C10
Gene No.	42575	Strand	+
Start	1	End	234
Name	OJ990716_02.9C10.C10.o1.gs	Method	GENSCAN
Start	58	End	177
GI	none	Score	.66
Exons	58..177		

Seq. No.	20386	Seq. ID	OJ990616_04.9C17.C1
Gene No.	42576	Strand	-
Start	1	End	1168
Name	OJ990616_04.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	1168
GI	6907089	Score	1766
Exons	1..1168		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20386	Seq. ID	OJ990616_04.9C17.C1
Gene No.	42576	Strand	-
Start	1	End	1168
Name	OJ990616_04.9C17.C1.o1.gs	Method	GENSCAN
Start	44	End	1116
GI	none	Score	.64
Exons	44..212, 240..1116		

Seq. No.	20387	Seq. ID	OJ990616_04.9C17.C2
Gene No.	42577	Strand	+
Start	115	End	2540
Name	OJ990616_04.9C17.C2.o1.gs	Method	GENSCAN
Start	115	End	2389
GI	none	Score	.47
Exons	115..221, 663..751, 1314..1368, 1404..1506, 1562..2389		

Seq. No.	20387	Seq. ID	OJ990616_04.9C17.C2
Gene No.	42577	Strand	+
Start	115	End	2540
Name	OJ990616_04.9C17.C2.o1.np	Method	AAT/NAP
Start	929	End	2540
GI	5042454	Score	1842
Exons	929..1068, 1400..1506, 1562..2540		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20387	Seq. ID	OJ990616_04.9C17.C2
Gene No.	42577	Strand	+
Start	115	End	2540
Name	OJ990616_04.9C17.C2.o1.tw	Method	TBLASTX:Wheat

Start	2234	End	2539
GI	none	Score	58
Exons	2234..2281, 2288..2386, 2305..2385, 2353..2514, 2369..2539		

Seq. No.	20387	Seq. ID	OJ990616_04.9C17.C2
Gene No.	42577	Strand	+
Start	115	End	2540
Name	OJ990616_04.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	2239	End	2524
GI	none	Score	193
Exons	2239..2523, 2276..2524		

Seq. No.	20388	Seq. ID	OJ990616_04.9C17.C3
Gene No.	42578	Strand	+
Start	352	End	2726
Name	OJ990616_04.9C17.C3.o1.gs	Method	GENSCAN
Start	352	End	2726
GI	none	Score	.55
Exons	352..696, 2517..2726		

Seq. No.	20389	Seq. ID	OJ990616_04.9C17.C4
Gene No.	42579	Strand	-
Start	773	End	994
Name	OJ990616_04.9C17.C4.o1.gs	Method	GENSCAN
Start	773	End	994
GI	none	Score	.42
Exons	773..898, 950..994		

Seq. No.	20390	Seq. ID	OJ990616_04.9C17.C6
Gene No.	42580	Strand	+
Start	1008	End	1592
Name	OJ990616_04.9C17.C6.o1.gs	Method	GENSCAN
Start	1008	End	1592
GI	none	Score	.83
Exons	1008..1592		

Seq. No.	20390	Seq. ID	OJ990616_04.9C17.C6
Gene No.	42581	Strand	+
Start	2919	End	3123
Name	OJ990616_04.9C17.C6.o1.gp	Method	AAT/GAP
Start	2919	End	3123
GI	none	Score	306
Exons	2919..3123		

Seq. No.	20390	Seq. ID	OJ990616_04.9C17.C6
Gene No.	42582	Strand	-
Start	1021	End	5345
Name	OJ990616_04.9C17.C6.o1.np	Method	AAT/NAP
Start	1021	End	5345
GI	81286	Score	135
Exons	1021..1223, 3899..4066, 5071..5345		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	20390	Seq. ID	OJ990616_04.9C17.C6
Gene No.	42582	Strand	-
Start	1021	End	5345

Name	OJ990616_04.9C17.C6.o2.gs	Method	GENSCAN
Start	3274	End	5093
GI	none	Score	.65
Exons	3274..3328, 3892..3926, 3982..4059, 4785..5093		

Seq. No.	20390	Seq. ID	OJ990616_04.9C17.C6
Gene No.	42582	Strand	-
Start	1021	End	5345
Name	OJ990616_04.9C17.C6.o2.tm	Method	TBLASTX:Maize
Start	3890	End	4074
GI	none	Score	59
Exons	3890..3958, 3891..3950, 3941..4060, 3945..4061, 3958..4074		

Seq. No.	20390	Seq. ID	OJ990616_04.9C17.C6
Gene No.	42582	Strand	-
Start	1021	End	5345
Name	OJ990616_04.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	4845	End	5268
GI	none	Score	71
Exons	4845..4976, 4860..4997, 4887..5000, 4901..5026, 4902..5027, 5031..5267, 5040..5267, 5056..5268		

Seq. No.	20391	Seq. ID	OJ990616_04.9C17.C7
Gene No.	42583	Strand	-
Start	1	End	7502
Name	OJ990616_04.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	7502
GI	4868120	Score	534
Exons	1..162, 365..747, 1272..1453, 1540..1652, 1732..1840, 2417..2575, 7436..7502		
GI Descrip.	(AF116556) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	20391	Seq. ID	OJ990616_04.9C17.C7
Gene No.	42583	Strand	-
Start	1	End	7502
Name	OJ990616_04.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	74	End	731
GI	none	Score	106
Exons	74..208, 75..200, 104..205, 296..346, 300..365, 301..360, 446..616, 462..668, 465..665, 702..731, 706..729		

Seq. No.	20391	Seq. ID	OJ990616_04.9C17.C7
Gene No.	42583	Strand	-
Start	1	End	7502
Name	OJ990616_04.9C17.C7.o1.gs	Method	GENSCAN
Start	311	End	6062
GI	none	Score	.49
Exons	311..747, 1272..1453, 1510..1652, 1732..1840, 2417..2858, 3906..6062		

Seq. No.	20391	Seq. ID	OJ990616_04.9C17.C7
Gene No.	42583	Strand	-
Start	1	End	7502
Name	OJ990616_04.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	1265	End	2554
GI	none	Score	62
Exons	1265..1351, 1266..1349, 1355..1522, 1370..1459, 1540..1635,		

1544..1618, 1677..1814, 1730..1825, 2401..2490, 2414..2485, 2414..2554, 2418..2549

Seq. No.	20391	Seq. ID	OJ990616_04.9C17.C7
Gene No.	42583	Strand	-
Start	1	End	7502
Name	OJ990616_04.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	2597	End	2860
GI	none	Score	99
Exons	2597..2674, 2598..2675, 2598..2675, 2681..2857, 2681..2860		

Seq. No.	20391	Seq. ID	OJ990616_04.9C17.C7
Gene No.	42583	Strand	-
Start	1	End	7502
Name	OJ990616_04.9C17.C7.o4.tm	Method	TBLASTX:Maize
Start	3933	End	4375
GI	none	Score	94
Exons	3933..3992, 3934..4023, 3935..4054, 4022..4093, 4102..4149, 4152..4373, 4160..4375, 4196..4375		

Seq. No.	20391	Seq. ID	OJ990616_04.9C17.C7
Gene No.	42583	Strand	-
Start	1	End	7502
Name	OJ990616_04.9C17.C7.o1.gp	Method	AAT/GAP
Start	4598	End	4801
GI	none	Score	379
Exons	4598..4801		

Seq. No.	20391	Seq. ID	OJ990616_04.9C17.C7
Gene No.	42583	Strand	-
Start	1	End	7502
Name	OJ990616_04.9C17.C7.o3.np	Method	AAT/NAP
Start	7191	End	7502
GI	6539558	Score	228
Exons	7191..7502		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42584	Strand	+
Start	68	End	1324
Name	OJ990616_04.9C17.C8.o1.gs	Method	GENSCAN
Start	68	End	1324
GI	none	Score	.78
Exons	68..309, 398..562, 734..1324		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o1.np	Method	AAT/NAP
Start	1	End	4122
GI	5295971	Score	3856
Exons	1..364, 614..842, 1459..4122		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o4.tm	Method	TBLASTX:Maize
Start	1	End	1191
GI	none	Score	147
Exons	1..96, 2..94, 802..909, 803..1189, 882..1058, 902..1189, 1111..1191		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	4	End	1192
GI	none	Score	137
Exons	4..72, 558..719, 566..709, 754..816, 755..817, 826..903, 827..904, 974..1072, 982..1053, 1121..1192		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o3.ts	Method	TBLASTX:Soybean
Start	13	End	1201
GI	none	Score	70
Exons	13..111, 14..112, 83..163, 569..676, 576..719, 755..886, 757..885, 968..1201, 982..1038		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	221	End	622
GI	none	Score	190
Exons	221..271, 235..360, 235..294, 285..374, 364..573, 365..592, 365..574, 546..620, 572..622, 576..620		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o2.ts	Method	TBLASTX:Soybean
Start	1626	End	2084
GI	5509260	Score	66
Exons	1626..1709, 1628..1729, 1735..1806, 1801..1926, 1929..2084		
GI Descrip.	-		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	1628	End	1923
GI	none	Score	55
Exons	1628..1729, 1629..1709, 1729..1806, 1801..1923, 1829..1909		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o2.gs	Method	GENSCAN

Start	1693	End	3942
GI	none	Score	.59
Exons	1693..1946, 1964..2065, 2087..2256, 2270..2582, 2593..3068, 3127..3484, 3495..3942		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o5.tm	Method	TBLASTX:Maize
Start	1741	End	2033
GI	none	Score	62
Exons	1741..1806, 1741..1806, 1783..1938, 1829..1909, 1926..2033, 1929..1997		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	2612	End	3001
GI	none	Score	83
Exons	2612..2680, 2702..2875, 2718..2873, 2873..3001, 2883..2996		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	2618	End	3023
GI	none	Score	297
Exons	2618..2875, 2618..2875, 2860..2895, 2861..2998, 2873..3001, 2874..3002, 2997..3023		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o3.tw	Method	TBLASTX:Wheat
Start	2696	End	3242
GI	none	Score	124
Exons	2696..2776, 2783..2860, 2873..2995, 3009..3242		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o4.ts	Method	TBLASTX:Soybean
Start	3096	End	3377
GI	none	Score	202
Exons	3096..3377, 3201..3281		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	3315	End	3760
GI	none	Score	73
Exons	3315..3395, 3414..3494, 3496..3759, 3514..3627, 3515..3760		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-

Start	1	End	4122
Name	OJ990616_04.9C17.C8.o6.tm	Method	TBLASTX:Maize
Start	3435	End	3670
GI	none	Score	55
Exons	3435..3494, 3436..3495, 3484..3669, 3492..3644, 3515..3670		

Seq. No.	20392	Seq. ID	OJ990616_04.9C17.C8
Gene No.	42585	Strand	-
Start	1	End	4122
Name	OJ990616_04.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	3685	End	4103
GI	none	Score	294
Exons	3685..3936, 3696..3944, 3697..3933, 3916..4047, 3926..4039, 3927..4103, 3931..4047, 3981..4103		

Seq. No.	20393	Seq. ID	OJ990616_04.9C17.C9
Gene No.	42586	Strand	+
Start	9301	End	10452
Name	OJ990616_04.9C17.C9.o2.gs	Method	GENSCAN
Start	9301	End	10452
GI	none	Score	.44
Exons	9301..9446, 9610..9686, 9858..10002, 10254..10452		

Seq. No.	20393	Seq. ID	OJ990616_04.9C17.C9
Gene No.	42587	Strand	-
Start	1	End	5191
Name	OJ990616_04.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	938
GI	5295971	Score	1041
Exons	1..457, 503..938		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20393	Seq. ID	OJ990616_04.9C17.C9
Gene No.	42587	Strand	-
Start	1	End	5191
Name	OJ990616_04.9C17.C9.o1.gs	Method	GENSCAN
Start	182	End	5191
GI	none	Score	.78
Exons	182..383, 389..662, 728..958, 1068..1189, 3297..3373, 4160..4241, 5103..5191		

Seq. No.	20393	Seq. ID	OJ990616_04.9C17.C9
Gene No.	42587	Strand	-
Start	1	End	5191
Name	OJ990616_04.9C17.C9.o2.np	Method	AAT/NAP
Start	3297	End	5191
GI	6598513	Score	136
Exons	3297..3373, 5049..5191		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	20393	Seq. ID	OJ990616_04.9C17.C9
Gene No.	42588	Strand	-
Start	9591	End	10449
Name	OJ990616_04.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	209	End	556

GI	none	Score	236
Exons	209..493, 209..556, 210..554		

Seq. No.	20393	Seq. ID	OJ990616_04.9C17.C9
Gene No.	42588	Strand	-
Start	9591	End	10449
Name	OJ990616_04.9C17.C9.o3.np	Method	AAT/NAP
Start	9591	End	10449
GI	5922623	Score	341
Exons	9591..9666, 9834..9981, 10369..10449		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o1.np	Method	AAT/NAP
Start	714	End	3699
GI	6498441	Score	3134
Exons	714..1777, 2108..2571, 2635..3007, 3191..3325, 3500..3699		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o4.tw	Method	TBLASTX:Wheat
Start	862	End	1254
GI	none	Score	58
Exons	862..909, 916..1014, 933..1013, 981..1220, 997..1254		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	867	End	1152
GI	none	Score	193
Exons	867..1151, 904..1152		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o3.tw	Method	TBLASTX:Wheat
Start	1992	End	2478
GI	none	Score	413
Exons	1992..2165, 1993..2478, 2187..2474		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	2642	End	3104
GI	none	Score	57
Exons	2642..2740, 2643..2747, 2644..2754, 2754..3104, 2756..3103		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	2772	End	3128
GI	none	Score	384
Exons	2772..3128, 2807..3118, 2838..3128		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	3155	End	3539
GI	none	Score	360
Exons	3155..3520, 3156..3539		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o2.tw	Method	TBLASTX:Wheat
Start	3213	End	3637
GI	none	Score	488
Exons	3213..3632, 3218..3637		

Seq. No.	20394	Seq. ID	OJ990616_04.9C17.C10
Gene No.	42589	Strand	+
Start	714	End	3699
Name	OJ990616_04.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	3291	End	3632
GI	none	Score	258
Exons	3291..3632, 3308..3451		

Seq. No.	20395	Seq. ID	OJ990616_04.9C17.C11
Gene No.	42590	Strand	+
Start	1	End	942
Name	OJ990616_04.9C17.C11.o1.np	Method	AAT/NAP
Start	1	End	912
GI	6498441	Score	1323
Exons	1..537, 630..912		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20395	Seq. ID	OJ990616_04.9C17.C11
Gene No.	42590	Strand	+
Start	1	End	942
Name	OJ990616_04.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	25	End	406
GI	none	Score	317
Exons	25..99, 47..403, 53..406		

Seq. No.	20395	Seq. ID	OJ990616_04.9C17.C11
Gene No.	42590	Strand	+
Start	1	End	942
Name	OJ990616_04.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	38	End	319
GI	none	Score	131

Exons	38..172, 56..208, 206..319, 226..315		
Seq. No.	20395	Seq. ID	OJ990616_04.9C17.C11
Gene No.	42590	Strand	+
Start	1	End	942
Name	OJ990616_04.9C17.C11.o1.gs	Method	GENSCAN
Start	125	End	915
GI	none	Score	.87
Exons	125..460, 490..915		
Seq. No.	20395	Seq. ID	OJ990616_04.9C17.C11
Gene No.	42590	Strand	+
Start	1	End	942
Name	OJ990616_04.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	772	End	942
GI	none	Score	197
Exons	772..942, 777..941		
Seq. No.	20396	Seq. ID	OJ990616_04.9C17.C12
Gene No.	42591	Strand	-
Start	1	End	588
Name	OJ990616_04.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	588
GI	6907089	Score	508
Exons	1..588		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	20396	Seq. ID	OJ990616_04.9C17.C12
Gene No.	42591	Strand	-
Start	1	End	588
Name	OJ990616_04.9C17.C12.o1.gs	Method	GENSCAN
Start	33	End	545
GI	none	Score	.52
Exons	33..545		
Seq. No.	20397	Seq. ID	OJ990616_04.9C17.C13
Gene No.	42592	Strand	+
Start	1	End	1258
Name	OJ990616_04.9C17.C13.o1.np	Method	AAT/NAP
Start	1	End	1258
GI	5880464	Score	271
Exons	1..152, 936..1087, 1192..1258		
GI Descrip.	(AF088901) actin bundling protein ABP135 [Lilium longiflorum]		
Seq. No.	20397	Seq. ID	OJ990616_04.9C17.C13
Gene No.	42592	Strand	+
Start	1	End	1258
Name	OJ990616_04.9C17.C13.o1.tc	Method	TBLASTX:Cress
Start	24	End	1094
GI	none	Score	127
Exons	24..152, 28..150, 30..143, 53..151, 60..152, 929..1090, 930..1094		
Seq. No.	20397	Seq. ID	OJ990616_04.9C17.C13
Gene No.	42592	Strand	+
Start	1	End	1258
Name	OJ990616_04.9C17.C13.o1.tm	Method	TBLASTX:Maize

Start	24	End	1085
GI	none	Score	176
Exons	24..152, 35..151, 50..160, 60..152, 922..1026, 929..1027, 930..1046, 930..1049, 934..1047, 1036..1074, 1041..1085, 1046..1084		

Seq. No.	20397	Seq. ID	OJ990616_04.9C17.C13
Gene No.	42592	Strand	+
Start	1	End	1258
Name	OJ990616_04.9C17.C13.o1.gp	Method	AAT/GAP
Start	942	End	1258
GI	30312_2.R1084	Score	278
Exons	942..1083, 1226..1258		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 3.0e-63 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	20398	Seq. ID	OJ990616_04.9C17.C14
Gene No.	42593	Strand	
Start	348	End	597
Name	OJ990616_04.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	348	End	597
GI	none	Score	63
Exons	348..596, 399..596, 445..597		

Seq. No.	20399	Seq. ID	OJ990616_04.9C17.C15
Gene No.	42594	Strand	-
Start	38	End	268
Name	OJ990616_04.9C17.C15.o1.gs	Method	GENSCAN
Start	38	End	268
GI	none	Score	.84
Exons	38..268		

Seq. No.	20400	Seq. ID	OJ990616_04.9C17.C16
Gene No.	42595	Strand	-
Start	550	End	1368
Name	OJ990616_04.9C17.C16.o1.np	Method	AAT/NAP
Start	550	End	1368
GI	4926870	Score	72
Exons	550..974, 1338..1368		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	20401	Seq. ID	OJ990616_04.9C17.C18
Gene No.	42596	Strand	+
Start	2212	End	2687
Name	OJ990616_04.9C17.C18.o1.gs	Method	GENSCAN
Start	2212	End	2687
GI	none	Score	.95
Exons	2212..2687		

Seq. No.	20401	Seq. ID	OJ990616_04.9C17.C18
Gene No.	42597	Strand	+
Start	7735	End	7998
Name	OJ990616_04.9C17.C18.o3.gs	Method	GENSCAN
Start	7735	End	7998
GI	none	Score	.4
Exons	7735..7998		

Seq. No.	20401	Seq. ID	OJ990616_04.9C17.C18
Gene No.	42598	Strand	-
Start	1	End	4678
Name	OJ990616_04.9C17.C18.o1.np	Method	AAT/NAP
Start	1	End	3910
GI	4160292	Score	673
Exons	1..224, 794..915, 1442..1653, 2143..2216, 2346..2455, 3870..3910		
GI Descrip.	(Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]		

Seq. No.	20401	Seq. ID	OJ990616_04.9C17.C18
Gene No.	42598	Strand	-
Start	1	End	4678
Name	OJ990616_04.9C17.C18.o1.tm	Method	TBLASTX:Maize
Start	138	End	1653
GI	none	Score	83
Exons	138..233, 139..204, 141..230, 794..910, 794..913, 798..926, 1434..1652, 1444..1653		

Seq. No.	20401	Seq. ID	OJ990616_04.9C17.C18
Gene No.	42598	Strand	-
Start	1	End	4678
Name	OJ990616_04.9C17.C18.o2.np	Method	AAT/NAP
Start	3366	End	4678
GI	6815099	Score	98
Exons	3366..3484, 4656..4678		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42599	Strand	+
Start	257	End	576
Name	OJ990616_04.9C17.C19.o1.gs	Method	GENSCAN
Start	257	End	576
GI	none	Score	.42
Exons	257..358, 481..576		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42600	Strand	+
Start	2743	End	8479
Name	OJ990616_04.9C17.C19.o1.np	Method	AAT/NAP
Start	2743	End	8479
GI	5880464	Score	1907
Exons	2743..2798, 2908..3007, 3097..3168, 3254..3490, 3569..3746, 3827..3959, 4781..4940, 5020..5173, 5254..5357, 5449..5607, 6494..6562, 6638..6706, 6867..7004, 7900..8028, 8401..8479		
GI Descrip.	(AF088901) actin bundling protein ABP135 [Lilium longiflorum]		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42600	Strand	+
Start	2743	End	8479
Name	OJ990616_04.9C17.C19.o3.gs	Method	GENSCAN
Start	3059	End	8028
GI	none	Score	.84
Exons	3059..3112, 3254..3490, 3569..3746, 3827..3959, 4781..4940, 5020..5173, 5254..5357, 5449..5607, 6638..6706, 6867..7073, 7900..8028		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42600	Strand	+
Start	2743	End	8479
Name	OJ990616_04.9C17.C19.o1.gp	Method	AAT/GAP
Start	3650	End	5581
GI	34019_1.R1084	Score	1423
Exons	3650..3746, 3827..3959, 4781..4940, 5020..5173, 5254..5357, 5449..5581		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 1.0e-95 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42600	Strand	+
Start	2743	End	8479
Name	OJ990616_04.9C17.C19.o2.gp	Method	AAT/GAP
Start	6854	End	8042
GI	426363	Score	494
Exons	6854..7004, 7900..8042		
GI Descrip.	5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42601	Strand	-
Start	1360	End	2174
Name	OJ990616_04.9C17.C19.o2.gs	Method	GENSCAN
Start	1360	End	2174
GI	none	Score	.82
Exons	1360..1758, 1764..2174		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42602	Strand	
Start	2760	End	8028
Name	OJ990616_04.9C17.C19.o1.tc	Method	TBLASTX:Cress
Start	2760	End	8028
GI	none	Score	65
Exons	2760..2798, 2761..2799, 2908..3012, 2909..3007, 2915..3004, 3058..3168, 3114..3164, 3214..3492, 3215..3493, 3252..3500, 3566..3745, 3568..3744, 3814..3957, 3825..3956, 4757..4900, 4758..4940, 4764..4943, 4833..4940, 5011..5121, 5012..5119, 5018..5125, 5020..5121, 5253..5342, 5301..5372, 5441..5608, 5442..5609, 5446..5607, 5446..5601, 6488..6559, 6637..6705, 6638..6706, 6858..7007, 7892..8026, 7900..8028, 7906..8019, 7923..8027		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42602	Strand	
Start	2760	End	8028
Name	OJ990616_04.9C17.C19.o2.tm	Method	TBLASTX:Maize
Start	2915	End	6932
GI	none	Score	86
Exons	2915..3004, 2918..3007, 4872..4940, 4881..4949, 5017..5163, 5020..5124, 5034..5132, 5142..5174, 5252..5302, 5253..5369, 5260..5361, 5438..5575, 5446..5589, 5448..5588, 6510..6563, 6512..6562, 6625..6705, 6636..6707, 6638..6706, 6857..6925, 6858..6932		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19

Gene No.	42602	Strand	
Start	2760	End	8028
Name	OJ990616_04.9C17.C19.o2.ts	Method	TBLASTX:Soybean
Start	2915	End	6923
GI	none	Score	92
Exons	2915..3004, 5319..5372, 5446..5604, 5447..5608, 6482..6559, 6637..6702, 6638..6706, 6858..6923		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42602	Strand	
Start	2760	End	8028
Name	OJ990616_04.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	3126	End	3676
GI	none	Score	83
Exons	3126..3173, 3127..3174, 3233..3493, 3236..3493, 3566..3676, 3568..3675		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42602	Strand	
Start	2760	End	8028
Name	OJ990616_04.9C17.C19.o1.ts	Method	TBLASTX:Soybean
Start	3247	End	3489
GI	none	Score	311
Exons	3247..3489, 3251..3487		

Seq. No.	20402	Seq. ID	OJ990616_04.9C17.C19
Gene No.	42602	Strand	
Start	2760	End	8028
Name	OJ990616_04.9C17.C19.o3.ts	Method	TBLASTX:Soybean
Start	3814	End	4922
GI	none	Score	183
Exons	3814..3957, 3814..3957, 3825..3977, 3831..3959, 4758..4922, 4805..4903		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42603	Strand	+
Start	1	End	4476
Name	OJ990616_04.9C17.C20.o1.np	Method	AAT/NAP
Start	1	End	4036
GI	3415115	Score	710
Exons	1..69, 310..475, 694..833, 913..1038, 1763..1822, 1954..2052, 2133..2355, 2826..3081, 3926..4036		
GI Descrip.	(AF081202) villin 2 [Arabidopsis thaliana]		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42603	Strand	+
Start	1	End	4476
Name	OJ990616_04.9C17.C20.o1.gs	Method	GENSCAN
Start	317	End	4039
GI	none	Score	.89
Exons	317..464, 721..833, 913..1038, 1763..1819, 1954..2052, 2139..2340, 2616..2656, 2929..3081, 3926..4039		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42603	Strand	+
Start	1	End	4476
Name	OJ990616_04.9C17.C20.o1.gp	Method	AAT/GAP

Start	562	End	2972
GI	30312_1.R1084	Score	1453
Exons	562..617, 694..833, 913..1038, 1763..1819, 1954..2052, 2139..2361, 2835..2972		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42603	Strand	+
Start	1	End	4476
Name	OJ990616_04.9C17.C20.o2.gp	Method	AAT/GAP
Start	3918	End	4476
GI	17436_1.R1084	Score	1066
Exons	3918..4476		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 8.0e-11 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42604	Strand	+
Start	14121	End	14482
Name	OJ990616_04.9C17.C20.o2.np	Method	AAT/NAP
Start	14121	End	14482
GI	6553935	Score	147
Exons	14121..14482		
GI Descrip.	(AC011915) putative tRNA isopentenyl transferase [Arabidopsis thaliana]		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42605	Strand	-
Start	5304	End	14439
Name	OJ990616_04.9C17.C20.o1.tc	Method	TBLASTX:Cress
Start	279	End	4048
GI	none	Score	79
Exons	279..443, 310..471, 311..475, 314..481, 708..833, 720..833, 752..838, 910..1041, 915..1040, 2145..2246, 2145..2249, 3010..3081, 3923..4048, 3931..4023		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42605	Strand	-
Start	5304	End	14439
Name	OJ990616_04.9C17.C20.o1.tm	Method	TBLASTX:Maize
Start	311	End	4217
GI	none	Score	158
Exons	311..427, 319..429, 422..466, 422..475, 685..720, 688..720, 704..832, 705..833, 705..836, 712..834, 905..1033, 910..1041, 910..1038, 1762..1818, 1763..1819, 1936..2052, 1943..2080, 1947..2048, 1956..2081, 2154..2210, 2157..2237, 2322..2360, 2941..3081, 2943..3080, 2951..3088, 2952..3086, 2960..3088, 3916..4041, 3923..4069, 3925..4068, 4203..4217		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42605	Strand	-
Start	5304	End	14439
Name	OJ990616_04.9C17.C20.o1.ts	Method	TBLASTX:Soybean
Start	688	End	2225
GI	none	Score	44
Exons	688..720, 720..833, 752..832, 910..1041, 912..1022, 1769..1810,		

2157..2225

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42605	Strand	-
Start	5304	End	14439
Name	OJ990616_04.9C17.C20.o2.gs	Method	GENSCAN
Start	5304	End	14439
GI	none	Score	.72
Exons	5304..5698, 5726..5854, 6384..6545, 7580..7608, 8191..8244, 8559..8805, 9942..10040, 10237..10294, 10312..10383, 11564..11641, 12755..12784, 14239..14439		

Seq. No.	20403	Seq. ID	OJ990616_04.9C17.C20
Gene No.	42605	Strand	-
Start	5304	End	14439
Name	OJ990616_04.9C17.C20.o2.tm	Method	TBLASTX:Maize
Start	7284	End	7533
GI	none	Score	215
Exons	7284..7436, 7285..7533		

Seq. No.	20404	Seq. ID	OJ990616_04.9C17.C21
Gene No.	42606	Strand	-
Start	2539	End	2951
Name	OJ990616_04.9C17.C21.o2.gs	Method	GENSCAN
Start	2539	End	2951
GI	none	Score	.76
Exons	2539..2618, 2819..2951		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o1.gs	Method	GENSCAN
Start	327	End	4189
GI	none	Score	.76
Exons	327..4189		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o1.np	Method	AAT/NAP
Start	335	End	4271
GI	4234852	Score	3994
Exons	335..495, 538..4271		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o1.tm	Method	TBLASTX:Maize
Start	427	End	1438
GI	none	Score	588
Exons	427..1005, 428..1036, 1046..1177, 1117..1158, 1282..1332, 1373..1438		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271

Name	OJ990616_04.9C17.C22.o2.ts	Method	TBLASTX:Soybean
Start	1652	End	2086
GI	none	Score	49
Exons	1652..1717, 1742..1843, 1820..1843, 1830..2084, 1847..2086, 1939..2085		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o2.tw	Method	TBLASTX:Wheat
Start	1796	End	2458
GI	none	Score	252
Exons	1796..2035, 1810..2034, 1817..2050, 2098..2358, 2099..2380, 2359..2433, 2360..2458		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o4.tm	Method	TBLASTX:Maize
Start	1811	End	2269
GI	none	Score	128
Exons	1811..2035, 2089..2247, 2093..2269		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o2.tc	Method	TBLASTX:Cress
Start	2075	End	2455
GI	none	Score	121
Exons	2075..2275, 2288..2455		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o3.ts	Method	TBLASTX:Soybean
Start	2089	End	2461
GI	none	Score	174
Exons	2089..2256, 2093..2284, 2288..2461		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o1.ts	Method	TBLASTX:Soybean
Start	2972	End	3409
GI	5509260	Score	365
Exons	2972..3409, 3061..3333, 3376..3408		
GI Descrip.	-		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o1.tc	Method	TBLASTX:Cress
Start	3059	End	3319
GI	none	Score	249
Exons	3059..3319, 3061..3297		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22

Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o1.tw	Method	TBLASTX:Wheat
Start	3100	End	3880
GI	none	Score	364
Exons	3100..3447, 3101..3445, 3101..3454, 3430..3876, 3431..3880		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o3.tm	Method	TBLASTX:Maize
Start	3101	End	3544
GI	none	Score	275
Exons	3101..3409, 3118..3408, 3443..3544		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o2.tm	Method	TBLASTX:Maize
Start	3545	End	3976
GI	none	Score	81
Exons	3545..3706, 3680..3976, 3820..3975		

Seq. No.	20405	Seq. ID	OJ990616_04.9C17.C22
Gene No.	42607	Strand	+
Start	327	End	4271
Name	OJ990616_04.9C17.C22.o4.ts	Method	TBLASTX:Soybean
Start	3866	End	4213
GI	none	Score	131
Exons	3866..4048, 4057..4158, 4061..4213		

Seq. No.	20406	Seq. ID	OJ990616_04.9C17.C23
Gene No.	42608	Strand	+
Start	1	End	3470
Name	OJ990616_04.9C17.C23.o1.np	Method	AAT/NAP
Start	1	End	776
GI	4234852	Score	1002
Exons	1..776		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	20406	Seq. ID	OJ990616_04.9C17.C23
Gene No.	42608	Strand	+
Start	1	End	3470
Name	OJ990616_04.9C17.C23.o1.gs	Method	GENSCAN
Start	7	End	3470
GI	none	Score	.59
Exons	7..732, 1099..1255, 1581..1739, 1791..1901, 2142..2235, 2466..2588, 3365..3470		

Seq. No.	20406	Seq. ID	OJ990616_04.9C17.C23
Gene No.	42609	Strand	-
Start	2712	End	3148
Name	OJ990616_04.9C17.C23.o1.tm	Method	TBLASTX:Maize
Start	157	End	738
GI	none	Score	123
Exons	157..339, 322..498, 547..738		

Seq. No.	20406	Seq. ID	OJ990616_04.9C17.C23
Gene No.	42609	Strand	-
Start	2712	End	3148
Name	OJ990616_04.9C17.C23.o1.ts	Method	TBLASTX:Soybean
Start	157	End	723
GI	none	Score	131
Exons	157..339, 352..543, 532..723		

Seq. No.	20406	Seq. ID	OJ990616_04.9C17.C23
Gene No.	42609	Strand	-
Start	2712	End	3148
Name	OJ990616_04.9C17.C23.o1.tw	Method	TBLASTX:Wheat
Start	327	End	726
GI	none	Score	278
Exons	327..560, 331..726		

Seq. No.	20406	Seq. ID	OJ990616_04.9C17.C23
Gene No.	42609	Strand	-
Start	2712	End	3148
Name	OJ990616_04.9C17.C23.o1.gp	Method	AAT/GAP
Start	2712	End	3148
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	2712..2775, 3112..3148		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20406	Seq. ID	OJ990616_04.9C17.C23
Gene No.	42610	Strand	
Start	7007	End	7282
Name	OJ990616_04.9C17.C23.o2.tw	Method	TBLASTX:Wheat
Start	7007	End	7273
GI	none	Score	213
Exons	7007..7273, 7018..7269		

Seq. No.	20406	Seq. ID	OJ990616_04.9C17.C23
Gene No.	42610	Strand	
Start	7007	End	7282
Name	OJ990616_04.9C17.C23.o2.tm	Method	TBLASTX:Maize
Start	7019	End	7282
GI	none	Score	187
Exons	7019..7282, 7084..7254		

Seq. No.	20407	Seq. ID	OJ990616_04.9C17.C24
Gene No.	42611	Strand	
Start	169	End	663
Name	OJ990616_04.9C17.C24.o1.tw	Method	TBLASTX:Wheat
Start	169	End	585
GI	none	Score	213
Exons	169..435, 180..431, 508..585		

Seq. No.	20407	Seq. ID	OJ990616_04.9C17.C24
Gene No.	42611	Strand	
Start	169	End	663
Name	OJ990616_04.9C17.C24.o1.ts	Method	TBLASTX:Soybean
Start	244	End	663
GI	none	Score	121

Exons	244..468, 535..663		
Seq. No.	20407	Seq. ID	OJ990616_04.9C17.C24
Gene No.	42611	Strand	
Start	169	End	663
Name	OJ990616_04.9C17.C24.o1.tm	Method	TBLASTX:Maize
Start	262	End	660
GI	none	Score	166
Exons	262..498, 516..659, 517..660		
Seq. No.	20408	Seq. ID	OJ990616_04.9C17.C26
Gene No.	42612	Strand	+
Start	107	End	301
Name	OJ990616_04.9C17.C26.o1.gs	Method	GENSCAN
Start	107	End	301
GI	none	Score	.79
Exons	107..301		
Seq. No.	20408	Seq. ID	OJ990616_04.9C17.C26
Gene No.	42613	Strand	-
Start	49	End	607
Name	OJ990616_04.9C17.C26.o1.gp	Method	AAT/GAP
Start	49	End	607
GI	17436_1.R1084	Score	1058
Exons	49..607		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 8.0e-11 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		
Seq. No.	20408	Seq. ID	OJ990616_04.9C17.C26
Gene No.	42613	Strand	-
Start	49	End	607
Name	OJ990616_04.9C17.C26.o1.np	Method	AAT/NAP
Start	489	End	599
GI	5880464	Score	111
Exons	489..599		
GI Descrip.	(AF088901) actin bundling protein ABP135 [Lilium longiflorum]		
Seq. No.	20409	Seq. ID	OJ990616_04.9C17.C27
Gene No.	42614	Strand	-
Start	128	End	206
Name	OJ990616_04.9C17.C27.o1.gs	Method	GENSCAN
Start	128	End	206
GI	none	Score	.96
Exons	128..206		
Seq. No.	20410	Seq. ID	OJ990616_04.9C17.C28
Gene No.	42615	Strand	+
Start	1	End	639
Name	OJ990616_04.9C17.C28.o1.np	Method	AAT/NAP
Start	1	End	636
GI	5295971	Score	660
Exons	1..636		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	20410	Seq. ID	OJ990616_04.9C17.C28

Gene No.	42615	Strand	+
Start	1	End	639
Name	OJ990616_04.9C17.C28.o1.ts	Method	TBLASTX:Soybean
Start	205	End	483
GI	none	Score	102
Exons	205..330, 385..483		

Seq. No.	20410	Seq. ID	OJ990616_04.9C17.C28
Gene No.	42615	Strand	+
Start	1	End	639
Name	OJ990616_04.9C17.C28.o1.tm	Method	TBLASTX:Maize
Start	217	End	602
GI	none	Score	346
Exons	217..492, 217..492, 219..497, 332..523, 381..494, 469..600, 492..602, 493..600, 495..602		

Seq. No.	20410	Seq. ID	OJ990616_04.9C17.C28
Gene No.	42615	Strand	+
Start	1	End	639
Name	OJ990616_04.9C17.C28.o1.gs	Method	GENSCAN
Start	301	End	639
GI	none	Score	1
Exons	301..639		

Seq. No.	20411	Seq. ID	OJ990616_04.9C17.C30
Gene No.	42616	Strand	-
Start	343	End	514
Name	OJ990616_04.9C17.C30.o1.gs	Method	GENSCAN
Start	343	End	514
GI	none	Score	.79
Exons	343..514		

Seq. No.	20412	Seq. ID	OJ990616_04.9C17.C32
Gene No.	42617	Strand	+
Start	1	End	571
Name	OJ990616_04.9C17.C32.o1.np	Method	AAT/NAP
Start	1	End	571
GI	6907089	Score	624
Exons	1..571		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20412	Seq. ID	OJ990616_04.9C17.C32
Gene No.	42617	Strand	+
Start	1	End	571
Name	OJ990616_04.9C17.C32.o1.gs	Method	GENSCAN
Start	47	End	461
GI	none	Score	.52
Exons	47..155, 266..461		

Seq. No.	20413	Seq. ID	OJ990616_04.9C17.C34
Gene No.	42618	Strand	+
Start	1	End	247
Name	OJ990616_04.9C17.C34.o1.np	Method	AAT/NAP
Start	1	End	247
GI	6539558	Score	385
Exons	1..247		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza		

sativa]

Seq. No.	20413	Seq. ID	OJ990616_04.9C17.C34
Gene No.	42618	Strand	+
Start	1	End	247
Name	OJ990616_04.9C17.C34.o1.tm	Method	TBLASTX:Maize
Start	1	End	203
GI	none	Score	303
Exons	1..201, 1..201, 3..203		

Seq. No.	20413	Seq. ID	OJ990616_04.9C17.C34
Gene No.	42618	Strand	+
Start	1	End	247
Name	OJ990616_04.9C17.C34.o1.gs	Method	GENSCAN
Start	70	End	192
GI	none	Score	.67
Exons	70..192		

Seq. No.	20414	Seq. ID	OJ990616_06.9C10.C2
Gene No.	42619	Strand	+
Start	104	End	235
Name	OJ990616_06.9C10.C2.o1.gs	Method	GENSCAN
Start	104	End	235
GI	none	Score	.71
Exons	104..235		

Seq. No.	20415	Seq. ID	OJ990616_06.9C10.C4
Gene No.	42620	Strand	-
Start	163	End	420
Name	OJ990616_06.9C10.C4.o1.gs	Method	GENSCAN
Start	163	End	420
GI	none	Score	.62
Exons	163..420		

Seq. No.	20416	Seq. ID	OJ990616_06.9C10.C7
Gene No.	42621	Strand	-
Start	57	End	332
Name	OJ990616_06.9C10.C7.o1.gs	Method	GENSCAN
Start	57	End	332
GI	none	Score	.8
Exons	57..122, 228..332		

Seq. No.	20417	Seq. ID	OJ990616_06.9C10.C8
Gene No.	42622	Strand	+
Start	389	End	673
Name	OJ990616_06.9C10.C8.o1.gs	Method	GENSCAN
Start	389	End	673
GI	none	Score	.46
Exons	389..673		

Seq. No.	20418	Seq. ID	OJ990616_06.9C10.C10
Gene No.	42623	Strand	+
Start	447	End	899
Name	OJ990616_06.9C10.C10.o1.gs	Method	GENSCAN
Start	447	End	899
GI	none	Score	.43
Exons	447..899		

Seq. No.	20419	Seq. ID	OJ990616_06.9C10.C11
Gene No.	42624	Strand	+
Start	544	End	3888
Name	OJ990616_06.9C10.C11.o1.gs	Method	GENSCAN
Start	544	End	3888
GI	none	Score	.74
Exons	544..705, 780..969, 2701..2787, 3555..3750, 3822..3888		

Seq. No.	20419	Seq. ID	OJ990616_06.9C10.C11
Gene No.	42625	Strand	+
Start	5338	End	6087
Name	OJ990616_06.9C10.C11.o2.gs	Method	GENSCAN
Start	5338	End	6087
GI	none	Score	.95
Exons	5338..6087		

Seq. No.	20420	Seq. ID	OJ990616_06.9C10.C12
Gene No.	42626	Strand	+
Start	955	End	1855
Name	OJ990616_06.9C10.C12.o1.gs	Method	GENSCAN
Start	955	End	1855
GI	none	Score	.9
Exons	955..1116, 1194..1383, 1719..1855		

Seq. No.	20421	Seq. ID	OJ990616_06.9C10.C13
Gene No.	42627	Strand	+
Start	276	End	1609
Name	OJ990616_06.9C10.C13.o1.gs	Method	GENSCAN
Start	276	End	1609
GI	none	Score	.62
Exons	276..433, 547..912, 939..1114, 1467..1609		

Seq. No.	20421	Seq. ID	OJ990616_06.9C10.C13
Gene No.	42628	Strand	-
Start	1193	End	1484
Name	OJ990616_06.9C10.C13.o1.gp	Method	AAT/GAP
Start	1193	End	1484
GI	LIB3434-035-P1-K1-A7	Score	440
Exons	1193..1484		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	20421	Seq. ID	OJ990616_06.9C10.C13
Gene No.	42629	Strand	-
Start	1825	End	2729
Name	OJ990616_06.9C10.C13.o2.gs	Method	GENSCAN
Start	1825	End	2505
GI	none	Score	1
Exons	1825..2505		

Seq. No.	20421	Seq. ID	OJ990616_06.9C10.C13
Gene No.	42629	Strand	-
Start	1825	End	2729
Name	OJ990616_06.9C10.C13.o1.np	Method	AAT/NAP
Start	1828	End	2729
GI	1695719	Score	804

Exons	1828..2729		
GI Descrip.	(D89342) luminal binding protein [Arabidopsis thaliana]		
Seq. No.	20421	Seq. ID	OJ990616_06.9C10.C13
Gene No.	42629	Strand	-
Start	1825	End	2729
Name	OJ990616_06.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	1894	End	2521
GI	none	Score	78
Exons	1894..1932, 1975..2067, 2065..2520, 2080..2184, 2225..2521		
Seq. No.	20421	Seq. ID	OJ990616_06.9C10.C13
Gene No.	42629	Strand	-
Start	1825	End	2729
Name	OJ990616_06.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	1894	End	2521
GI	none	Score	40
Exons	1894..1932, 1984..2067, 2029..2130, 2081..2134, 2176..2520, 2225..2521		
Seq. No.	20421	Seq. ID	OJ990616_06.9C10.C13
Gene No.	42629	Strand	-
Start	1825	End	2729
Name	OJ990616_06.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	1894	End	2521
GI	none	Score	86
Exons	1894..1932, 1975..2067, 2029..2520, 2077..2181, 2225..2521		
Seq. No.	20421	Seq. ID	OJ990616_06.9C10.C13
Gene No.	42629	Strand	-
Start	1825	End	2729
Name	OJ990616_06.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	1900	End	2521
GI	none	Score	243
Exons	1900..1932, 1984..2067, 2074..2520, 2225..2521		
Seq. No.	20422	Seq. ID	OJ990616_06.9C10.C14
Gene No.	42630	Strand	-
Start	1	End	1149
Name	OJ990616_06.9C10.C14.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	82175	Score	1453
Exons	1..1120		
GI Descrip.	luminal binding protein BLP-5 - common tobacco		
Seq. No.	20422	Seq. ID	OJ990616_06.9C10.C14
Gene No.	42630	Strand	-
Start	1	End	1149
Name	OJ990616_06.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	1105
GI	none	Score	218
Exons	1..885, 2..199, 266..682, 725..886, 889..1014, 892..1002, 893..1105		
Seq. No.	20422	Seq. ID	OJ990616_06.9C10.C14
Gene No.	42630	Strand	-
Start	1	End	1149

Name	OJ990616_06.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1018
GI	none	Score	220
Exons	1..885, 2..199, 266..886, 892..1002, 893..1018		

Seq. No.	20422	Seq. ID	OJ990616_06.9C10.C14
Gene No.	42630	Strand	-
Start	1	End	1149
Name	OJ990616_06.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1012
GI	none	Score	122
Exons	1..453, 2..193, 263..454, 460..885, 461..685, 746..886, 851..1012, 892..1002		

Seq. No.	20422	Seq. ID	OJ990616_06.9C10.C14
Gene No.	42630	Strand	-
Start	1	End	1149
Name	OJ990616_06.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	1	End	1015
GI	none	Score	216
Exons	1..885, 2..196, 266..886, 892..1002, 893..1015		

Seq. No.	20422	Seq. ID	OJ990616_06.9C10.C14
Gene No.	42630	Strand	-
Start	1	End	1149
Name	OJ990616_06.9C10.C14.o1.gs	Method	GENSCAN
Start	19	End	1149
GI	none	Score	.57
Exons	19..1149		

Seq. No.	20423	Seq. ID	OJ990616_06.9C10.C15
Gene No.	42631	Strand	+
Start	1010	End	2183
Name	OJ990616_06.9C10.C15.o1.gs	Method	GENSCAN
Start	1010	End	2183
GI	none	Score	.91
Exons	1010..1109, 1156..1310, 1335..2183		

Seq. No.	20423	Seq. ID	OJ990616_06.9C10.C15
Gene No.	42631	Strand	+
Start	1010	End	2183
Name	OJ990616_06.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	1272	End	1406
GI	none	Score	181
Exons	1272..1406, 1299..1403		

Seq. No.	20424	Seq. ID	OJ990616_06.9C10.C16
Gene No.	42632	Strand	-
Start	295	End	474
Name	OJ990616_06.9C10.C16.o1.gs	Method	GENSCAN
Start	295	End	474
GI	none	Score	.9
Exons	295..474		

Seq. No.	20425	Seq. ID	OJ990616_06.9C10.C17
Gene No.	42633	Strand	+
Start	632	End	2712

Name	OJ990616_06.9C10.C17.o1.gs	Method	GENSCAN
Start	632	End	2712
GI	none	Score	.58
Exons	632..691, 992..1117, 1178..1498, 1524..1746, 1791..1973, 2234..2407, 2413..2600, 2659..2712		

Seq. No.	20425	Seq. ID	OJ990616_06.9C10.C17
Gene No.	42633	Strand	+
Start	632	End	2712
Name	OJ990616_06.9C10.C17.o1.np	Method	AAT/NAP
Start	1099	End	1529
GI	6505722	Score	83
Exons	1099..1173, 1289..1529		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	20425	Seq. ID	OJ990616_06.9C10.C17
Gene No.	42633	Strand	+
Start	632	End	2712
Name	OJ990616_06.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	1289	End	1444
GI	none	Score	185
Exons	1289..1444, 1292..1444		

Seq. No.	20425	Seq. ID	OJ990616_06.9C10.C17
Gene No.	42633	Strand	+
Start	632	End	2712
Name	OJ990616_06.9C10.C17.o1.gp	Method	AAT/GAP
Start	2098	End	2560
GI	none	Score	881
Exons	2098..2560		

Seq. No.	20426	Seq. ID	OJ990616_06.9C10.C18
Gene No.	42634	Strand	+
Start	1	End	1262
Name	OJ990616_06.9C10.C18.o1.gp	Method	AAT/GAP
Start	1	End	380
GI	uC-osflm202100a03b1	Score	702
Exons	1..380		
GI Descrip.	'3337367 6.0e-12 (AC004481) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	20426	Seq. ID	OJ990616_06.9C10.C18
Gene No.	42634	Strand	+
Start	1	End	1262
Name	OJ990616_06.9C10.C18.o1.gs	Method	GENSCAN
Start	15	End	1262
GI	none	Score	.72
Exons	15..168, 592..962, 1107..1262		

Seq. No.	20427	Seq. ID	OJ990616_06.9C10.C21
Gene No.	42635	Strand	-
Start	939	End	1080
Name	OJ990616_06.9C10.C21.o1.gs	Method	GENSCAN
Start	939	End	1080
GI	none	Score	.6

Exons	939..1013, 1030..1080		
Seq. No.	20428	Seq. ID	OJ990616_06.9C10.C22
Gene No.	42636	Strand	-
Start	124	End	312
Name	OJ990616_06.9C10.C22.o1.gs	Method	GENSCAN
Start	124	End	312
GI	none	Score	.79
Exons	124..312		
Seq. No.	20429	Seq. ID	OJ990616_06.9C10.C23
Gene No.	42637	Strand	-
Start	636	End	703
Name	OJ990616_06.9C10.C23.o1.gs	Method	GENSCAN
Start	636	End	703
GI	none	Score	.91
Exons	636..703		
Seq. No.	20430	Seq. ID	OJ990616_06.9C10.C24
Gene No.	42638	Strand	+
Start	3	End	107
Name	OJ990616_06.9C10.C24.o1.gs	Method	GENSCAN
Start	3	End	107
GI	none	Score	.44
Exons	3..107		
Seq. No.	20431	Seq. ID	OJ990616_06.9C10.C25
Gene No.	42639	Strand	+
Start	135	End	579
Name	OJ990616_06.9C10.C25.o1.gs	Method	GENSCAN
Start	135	End	579
GI	none	Score	.67
Exons	135..245, 486..579		
Seq. No.	20431	Seq. ID	OJ990616_06.9C10.C25
Gene No.	42640	Strand	-
Start	1051	End	1113
Name	OJ990616_06.9C10.C25.o1.gp	Method	AAT/GAP
Start	1051	End	1113
GI	3760640	Score	108
Exons	1051..1113		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	20432	Seq. ID	OJ990616_06.9C10.C27
Gene No.	42641	Strand	-
Start	2920	End	3144
Name	OJ990616_06.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	1177	End	1968
GI	none	Score	162
Exons	1177..1347, 1187..1348, 1188..1331, 1208..1348, 1921..1968		
Seq. No.	20432	Seq. ID	OJ990616_06.9C10.C27
Gene No.	42641	Strand	-
Start	2920	End	3144
Name	OJ990616_06.9C10.C27.o2.tm	Method	TBLASTX:Maize
Start	2911	End	3045

GI	none	Score	87
Exons	2911..3045, 2911..3045		

Seq. No.	20432	Seq. ID	OJ990616_06.9C10.C27
Gene No.	42641	Strand	-
Start	2920	End	3144
Name	OJ990616_06.9C10.C27.o1.np	Method	AAT/NAP
Start	2920	End	3144
GI	6505722	Score	75
Exons	2920..3144		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	20433	Seq. ID	OJ990616_06.9C10.C29
Gene No.	42642	Strand	+
Start	508	End	1700
Name	OJ990616_06.9C10.C29.o1.gs	Method	GENSCAN
Start	508	End	1700
GI	none	Score	.67
Exons	508..576, 925..1165, 1259..1408, 1633..1700		

Seq. No.	20433	Seq. ID	OJ990616_06.9C10.C29
Gene No.	42643	Strand	-
Start	1	End	96
Name	OJ990616_06.9C10.C29.o1.np	Method	AAT/NAP
Start	1	End	96
GI	5922634	Score	136
Exons	1..96		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20434	Seq. ID	OJ990616_06.9C10.C30
Gene No.	42644	Strand	-
Start	1036	End	3327
Name	OJ990616_06.9C10.C30.o1.gs	Method	GENSCAN
Start	1036	End	3327
GI	none	Score	.72
Exons	1036..1242, 2491..2723, 2782..2854, 3063..3327		

Seq. No.	20435	Seq. ID	OJ990616_06.9C10.C31
Gene No.	42645	Strand	-
Start	155	End	757
Name	OJ990616_06.9C10.C31.o1.gs	Method	GENSCAN
Start	155	End	757
GI	none	Score	.83
Exons	155..262, 648..757		

Seq. No.	20436	Seq. ID	OJ990616_06.9C10.C32
Gene No.	42646	Strand	+
Start	310	End	412
Name	OJ990616_06.9C10.C32.o1.gs	Method	GENSCAN
Start	310	End	412
GI	none	Score	.57
Exons	310..412		

Seq. No.	20437	Seq. ID	OJ990616_06.9C10.C33
Gene No.	42647	Strand	-
Start	1069	End	1205
Name	OJ990616_06.9C10.C33.o1.gs	Method	GENSCAN
Start	1069	End	1205
GI	none	Score	.99
Exons	1069..1205		

Seq. No.	20438	Seq. ID	OJ990616_06.9C10.C34
Gene No.	42648	Strand	+
Start	67	End	487
Name	OJ990616_06.9C10.C34.o1.gs	Method	GENSCAN
Start	67	End	487
GI	none	Score	1
Exons	67..487		

Seq. No.	20439	Seq. ID	OJ990616_06.9C10.C35
Gene No.	42649	Strand	-
Start	262	End	376
Name	OJ990616_06.9C10.C35.o1.gs	Method	GENSCAN
Start	262	End	376
GI	none	Score	.8
Exons	262..376		

Seq. No.	20440	Seq. ID	OJ990616_06.9C10.C36
Gene No.	42650	Strand	+
Start	1	End	776
Name	OJ990616_06.9C10.C36.o1.np	Method	AAT/NAP
Start	1	End	672
GI	5732066	Score	243
Exons	1..672		
GI Descrip.	(AF147263) contains similarity to Medicago truncatula N7 protein (GB:Y17613) [Arabidopsis thaliana]		

Seq. No.	20440	Seq. ID	OJ990616_06.9C10.C36
Gene No.	42650	Strand	+
Start	1	End	776
Name	OJ990616_06.9C10.C36.o1.tm	Method	TBLASTX:Maize
Start	121	End	552
GI	none	Score	73
Exons	121..237, 271..315, 351..497, 364..498, 418..552		

Seq. No.	20440	Seq. ID	OJ990616_06.9C10.C36
Gene No.	42650	Strand	+
Start	1	End	776
Name	OJ990616_06.9C10.C36.o1.gs	Method	GENSCAN
Start	123	End	776
GI	none	Score	.5
Exons	123..776		

Seq. No.	20441	Seq. ID	OJ990616_06.9C10.C37
Gene No.	42651	Strand	+
Start	61	End	653
Name	OJ990616_06.9C10.C37.o1.gs	Method	GENSCAN
Start	61	End	653
GI	none	Score	.45
Exons	61..99, 555..653		

Seq. No.	20442	Seq. ID	OJ990616_06.9C10.C38
Gene No.	42652	Strand	+
Start	1770	End	2294
Name	OJ990616_06.9C10.C38.o1.gp	Method	AAT/GAP
Start	1770	End	2294
GI	LIB3434-038-P1-K1-F1	Score	755
Exons	1770..2294		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20443	Seq. ID	OJ990616_06.9C10.C39
Gene No.	42653	Strand	+
Start	764	End	9430
Name	OJ990616_06.9C10.C39.o1.gs	Method	GENSCAN
Start	764	End	9430
GI	none	Score	.53
Exons	764..966, 2017..2130, 2373..2444, 2519..2683, 3855..4065, 5314..5328, 5473..5531, 5923..6059, 7078..7186, 8086..8266, 8877..9430		

Seq. No.	20443	Seq. ID	OJ990616_06.9C10.C39
Gene No.	42653	Strand	+
Start	764	End	9430
Name	OJ990616_06.9C10.C39.o1.np	Method	AAT/NAP
Start	2367	End	4055
GI	2398521	Score	215
Exons	2367..2444, 2519..2683, 3855..4055		
GI Descrip.	(Y13720) transcription factor [Arabidopsis thaliana]		

Seq. No.	20444	Seq. ID	OJ990616_06.9C10.C40
Gene No.	42654	Strand	+
Start	66	End	4045
Name	OJ990616_06.9C10.C40.o1.gs	Method	GENSCAN
Start	66	End	4045
GI	none	Score	.81
Exons	66..314, 925..1013, 2697..2811, 3211..3298, 3426..4045		

Seq. No.	20444	Seq. ID	OJ990616_06.9C10.C40
Gene No.	42654	Strand	+
Start	66	End	4045
Name	OJ990616_06.9C10.C40.o2.np	Method	AAT/NAP
Start	3483	End	3709
GI	3249083	Score	95
Exons	3483..3709		
GI Descrip.	(AC004473) Contains similarity to heat shock transcription factor homolog gb|2244754 from A. thaliana chromosome 4 contig gb|Z97335. [Arabidopsis thaliana]		

Seq. No.	20444	Seq. ID	OJ990616_06.9C10.C40
Gene No.	42655	Strand	-
Start	1849	End	3274
Name	OJ990616_06.9C10.C40.o1.np	Method	AAT/NAP
Start	1849	End	3274
GI	5852084	Score	80
Exons	1849..1932, 3254..3274		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	20445	Seq. ID	OJ990616_06.9C10.C41
Gene No.	42656	Strand	+
Start	69	End	11446
Name	OJ990616_06.9C10.C41.o1.gs	Method	GENSCAN
Start	69	End	11446
GI	none	Score	.49
Exons	69..653, 1551..1778, 1863..2149, 3397..3557, 3562..4802, 5763..5918, 6130..6201, 7772..7851, 8616..8701, 8824..10013, 10057..10143, 10910..11065, 11147..11446		

Seq. No.	20446	Seq. ID	OJ990616_06.9C10.C42
Gene No.	42657	Strand	+
Start	239	End	1090
Name	OJ990616_06.9C10.C42.o1.gs	Method	GENSCAN
Start	239	End	1090
GI	none	Score	.79
Exons	239..423, 996..1090		

Seq. No.	20447	Seq. ID	OJ990616_06.9C10.C44
Gene No.	42658	Strand	+
Start	1014	End	1299
Name	OJ990616_06.9C10.C44.o1.gs	Method	GENSCAN
Start	1014	End	1259
GI	none	Score	.84
Exons	1014..1259		

Seq. No.	20447	Seq. ID	OJ990616_06.9C10.C44
Gene No.	42658	Strand	+
Start	1014	End	1299
Name	OJ990616_06.9C10.C44.o1.np	Method	AAT/NAP
Start	1085	End	1299
GI	3746060	Score	244
Exons	1085..1299		
GI Descrip.	(AC005311) unknown protein [Arabidopsis thaliana]		

Seq. No.	20447	Seq. ID	OJ990616_06.9C10.C44
Gene No.	42658	Strand	+
Start	1014	End	1299
Name	OJ990616_06.9C10.C44.o1.ts	Method	TBLASTX:Soybean
Start	1085	End	1289
GI	none	Score	249
Exons	1085..1207, 1089..1289		

Seq. No.	20447	Seq. ID	OJ990616_06.9C10.C44
Gene No.	42658	Strand	+
Start	1014	End	1299
Name	OJ990616_06.9C10.C44.o1.tc	Method	TBLASTX:Cress
Start	1085	End	1289
GI	none	Score	245
Exons	1085..1207, 1089..1289		

Seq. No.	20447	Seq. ID	OJ990616_06.9C10.C44
Gene No.	42658	Strand	+
Start	1014	End	1299
Name	OJ990616_06.9C10.C44.o1.tm	Method	TBLASTX:Maize
Start	1128	End	1277

GI	none	Score	196
Exons	1128..1277, 1130..1210		
Seq. No.	20448	Seq. ID	OJ990616_06.9C10.C45
Gene No.	42659	Strand	-
Start	3472	End	6317
Name	OJ990616_06.9C10.C45.o1.np	Method	AAT/NAP
Start	3472	End	6317
GI	5732066	Score	375
Exons	3472..3994, 5389..5690, 6240..6317		
GI Descrip.	(AF147263) contains similarity to Medicago truncatula N7 protein (GB:Y17613) [Arabidopsis thaliana]		
Seq. No.	20448	Seq. ID	OJ990616_06.9C10.C45
Gene No.	42659	Strand	-
Start	3472	End	6317
Name	OJ990616_06.9C10.C45.o1.tw	Method	TBLASTX:Wheat
Start	3529	End	3715
GI	none	Score	135
Exons	3529..3711, 3547..3714, 3569..3715		
Seq. No.	20448	Seq. ID	OJ990616_06.9C10.C45
Gene No.	42659	Strand	-
Start	3472	End	6317
Name	OJ990616_06.9C10.C45.o1.tm	Method	TBLASTX:Maize
Start	3622	End	3996
GI	none	Score	97
Exons	3622..3747, 3635..3712, 3742..3822, 3802..3858, 3910..3996		
Seq. No.	20448	Seq. ID	OJ990616_06.9C10.C45
Gene No.	42659	Strand	-
Start	3472	End	6317
Name	OJ990616_06.9C10.C45.o1.gp	Method	AAT/GAP
Start	5032	End	5141
GI	uC-osf1cyp082b07a1	Score	133
Exons	5032..5141		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		
Seq. No.	20449	Seq. ID	OJ990616_06.9C10.C46
Gene No.	42660	Strand	+
Start	523	End	750
Name	OJ990616_06.9C10.C46.o1.gs	Method	GENSCAN
Start	523	End	750
GI	none	Score	.86
Exons	523..750		
Seq. No.	20449	Seq. ID	OJ990616_06.9C10.C46
Gene No.	42661	Strand	-
Start	2211	End	2460
Name	OJ990616_06.9C10.C46.o2.gs	Method	GENSCAN
Start	2211	End	2460
GI	none	Score	.52
Exons	2211..2460		
Seq. No.	20450	Seq. ID	OJ990616_06.9C10.C47
Gene No.	42662	Strand	+

Start	223	End	538
Name	OJ990616_06.9C10.C47.o1.gs	Method	GENSCAN
Start	223	End	538
GI	none	Score	.77
Exons	223..433, 510..538		

Seq. No.	20451	Seq. ID	OJ990616_06.9C10.C48
Gene No.	42663	Strand	-
Start	907	End	1040
Name	OJ990616_06.9C10.C48.o1.gs	Method	GENSCAN
Start	907	End	1040
GI	none	Score	.95
Exons	907..1040		

Seq. No.	20452	Seq. ID	OJ990616_06.9C10.C49
Gene No.	42664	Strand	+
Start	1	End	755
Name	OJ990616_06.9C10.C49.o1.np	Method	AAT/NAP
Start	1	End	755
GI	2335104	Score	112
Exons	1..141, 273..371, 452..755		
GI Descrip.	(AC002339) putative villin 2 [Arabidopsis thaliana]		

Seq. No.	20452	Seq. ID	OJ990616_06.9C10.C49
Gene No.	42664	Strand	+
Start	1	End	755
Name	OJ990616_06.9C10.C49.o1.tm	Method	TBLASTX:Maize
Start	81	End	606
GI	none	Score	89
Exons	81..137, 82..138, 265..354, 270..365, 281..358, 299..355, 299..361, 459..557, 461..559, 462..557, 470..529, 476..556, 499..558, 562..606		

Seq. No.	20452	Seq. ID	OJ990616_06.9C10.C49
Gene No.	42664	Strand	+
Start	1	End	755
Name	OJ990616_06.9C10.C49.o1.gp	Method	AAT/GAP
Start	83	End	755
GI	30312_1.R1084	Score	653
Exons	83..138, 273..371, 458..755		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	20452	Seq. ID	OJ990616_06.9C10.C49
Gene No.	42664	Strand	+
Start	1	End	755
Name	OJ990616_06.9C10.C49.o1.gs	Method	GENSCAN
Start	127	End	631
GI	none	Score	.93
Exons	127..138, 273..371, 458..631		

Seq. No.	20453	Seq. ID	OJ990616_06.9C10.C50
Gene No.	42665	Strand	-
Start	529	End	728
Name	OJ990616_06.9C10.C50.o1.gs	Method	GENSCAN
Start	529	End	728
GI	none	Score	.61

Exons	529..670, 718..728		
Seq. No.	20454	Seq. ID	OJ990616_06.9C10.C51
Gene No.	42666	Strand	+
Start	99	End	824
Name	OJ990616_06.9C10.C51.o1.gs	Method	GENSCAN
Start	99	End	824
GI	none	Score	.51
Exons	99..824		
Seq. No.	20454	Seq. ID	OJ990616_06.9C10.C51
Gene No.	42667	Strand	-
Start	1228	End	1868
Name	OJ990616_06.9C10.C51.o2.gs	Method	GENSCAN
Start	1228	End	1868
GI	none	Score	.77
Exons	1228..1353, 1689..1868		
Seq. No.	20455	Seq. ID	OJ990616_06.9C10.C52
Gene No.	42668	Strand	-
Start	141	End	554
Name	OJ990616_06.9C10.C52.o1.gs	Method	GENSCAN
Start	141	End	554
GI	none	Score	.77
Exons	141..554		
Seq. No.	20456	Seq. ID	OJ990616_06.9C10.C53
Gene No.	42669	Strand	+
Start	277	End	385
Name	OJ990616_06.9C10.C53.o1.gp	Method	AAT/GAP
Start	277	End	385
GI	uC-osf1cyp082b07a1	Score	136
Exons	277..385		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 gene, repeat sequence'	3.0e-30	Oryza sativa p-SINE1-r6
Seq. No.	20457	Seq. ID	OJ990616_06.9C10.C54
Gene No.	42670	Strand	-
Start	255	End	632
Name	OJ990616_06.9C10.C54.o1.tm	Method	TBLASTX:Maize
Start	208	End	371
GI	none	Score	232
Exons	208..366, 209..367, 210..371		
Seq. No.	20457	Seq. ID	OJ990616_06.9C10.C54
Gene No.	42670	Strand	-
Start	255	End	632
Name	OJ990616_06.9C10.C54.o1.np	Method	AAT/NAP
Start	255	End	632
GI	4160292	Score	169
Exons	255..373, 611..632		
GI Descrip.	(Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]		
Seq. No.	20458	Seq. ID	OJ990616_06.9C10.C55
Gene No.	42671	Strand	+
Start	105	End	561
Name	OJ990616_06.9C10.C55.o1.gs	Method	GENSCAN

Start	105	End	561
GI	none	Score	.57
Exons	105..324, 404..561		

Seq. No.	20459	Seq. ID	OJ990616_06.9C10.C56
Gene No.	42672	Strand	+
Start	200	End	291
Name	OJ990616_06.9C10.C56.o1.np	Method	AAT/NAP
Start	200	End	291
GI	4587559	Score	105
Exons	200..291		
GI Descrip.	(AC006577) Contains similarity to gb|Y13722 Hap2c Transcription factor from Arabidopsis thaliana.		

Seq. No.	20460	Seq. ID	OJ990616_06.9C10.C59
Gene No.	42673	Strand	-
Start	58	End	1125
Name	OJ990616_06.9C10.C59.o1.gs	Method	GENSCAN
Start	58	End	1125
GI	none	Score	.53
Exons	58..331, 1016..1125		

Seq. No.	20461	Seq. ID	OJ990616_06.9C10.C60
Gene No.	42674	Strand	+
Start	238	End	968
Name	OJ990616_06.9C10.C60.o1.gs	Method	GENSCAN
Start	238	End	968
GI	none	Score	.56
Exons	238..689, 914..968		

Seq. No.	20461	Seq. ID	OJ990616_06.9C10.C60
Gene No.	42675	Strand	-
Start	1390	End	3103
Name	OJ990616_06.9C10.C60.o2.gs	Method	GENSCAN
Start	1390	End	2068
GI	none	Score	.74
Exons	1390..2068		

Seq. No.	20461	Seq. ID	OJ990616_06.9C10.C60
Gene No.	42675	Strand	-
Start	1390	End	3103
Name	OJ990616_06.9C10.C60.o1.np	Method	AAT/NAP
Start	1519	End	3103
GI	5732066	Score	228
Exons	1519..2068, 3081..3103		
GI Descrip.	(AF147263) contains similarity to Medicago truncatula N7 protein (GB:Y17613) [Arabidopsis thaliana]		

Seq. No.	20461	Seq. ID	OJ990616_06.9C10.C60
Gene No.	42675	Strand	-
Start	1390	End	3103
Name	OJ990616_06.9C10.C60.o1.tm	Method	TBLASTX:Maize
Start	1639	End	2070
GI	none	Score	91
Exons	1639..1773, 1693..1827, 1694..1840, 1876..1920, 1954..2070		

Seq. No.	20462	Seq. ID	OJ990616_06.9C10.C61

Gene No.	42676	Strand	-
Start	198	End	559
Name	OJ990616_06.9C10.C61.o1.gs	Method	GENSCAN
Start	198	End	559
GI	none	Score	.66
Exons	198..559		

Seq. No.	20462	Seq. ID	OJ990616_06.9C10.C61
Gene No.	42677	Strand	-
Start	2480	End	2972
Name	OJ990616_06.9C10.C61.o2.gs	Method	GENSCAN
Start	2480	End	2972
GI	none	Score	.75
Exons	2480..2609, 2679..2972		

Seq. No.	20463	Seq. ID	OJ990616_06.9C10.C62
Gene No.	42678	Strand	-
Start	573	End	989
Name	OJ990616_06.9C10.C62.o1.gs	Method	GENSCAN
Start	573	End	989
GI	none	Score	.48
Exons	573..989		

Seq. No.	20464	Seq. ID	OJ990416_01.9C03.C2
Gene No.	42679	Strand	+
Start	264	End	1316
Name	OJ990416_01.9C03.C2.o1.np	Method	AAT/NAP
Start	264	End	1302
GI	5020219	Score	323
Exons	264..1302		
GI Descrip.	(AF149919) wax synthase [Simmondsia chinensis]		

Seq. No.	20464	Seq. ID	OJ990416_01.9C03.C2
Gene No.	42679	Strand	+
Start	264	End	1316
Name	OJ990416_01.9C03.C2.o1.gs	Method	GENSCAN
Start	270	End	1316
GI	none	Score	.84
Exons	270..1316		

Seq. No.	20464	Seq. ID	OJ990416_01.9C03.C2
Gene No.	42680	Strand	-
Start	3858	End	4820
Name	OJ990416_01.9C03.C2.o2.gs	Method	GENSCAN
Start	3858	End	4820
GI	none	Score	.69
Exons	3858..4084, 4625..4820		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3
Gene No.	42681	Strand	+
Start	3001	End	8373
Name	OJ990416_01.9C03.C3.o2.gs	Method	GENSCAN
Start	3001	End	8365
GI	none	Score	.55
Exons	3001..3157, 3274..3402, 5359..5620, 5702..5969, 7748..8365		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3

Gene No.	42681	Strand	+
Start	3001	End	8373
Name	OJ990416_01.9C03.C3.o2.np	Method	AAT/NAP
Start	4463	End	8373
GI	2832660	Score	801
Exons	4463..4518, 5384..5969, 7748..8373		
GI Descrip.	(AL021710) lipase-like protein [Arabidopsis thaliana]		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3
Gene No.	42681	Strand	+
Start	3001	End	8373
Name	OJ990416_01.9C03.C3.o1.gp	Method	AAT/GAP
Start	5172	End	5654
GI	none	Score	874
Exons	5172..5654		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3
Gene No.	42682	Strand	-
Start	2471	End	3557
Name	OJ990416_01.9C03.C3.o1.np	Method	AAT/NAP
Start	2471	End	3557
GI	6069646	Score	718
Exons	2471..2671, 2914..3557		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3
Gene No.	42683	Strand	-
Start	8057	End	8494
Name	OJ990416_01.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	2950	End	3287
GI	none	Score	63
Exons	2950..3162, 3210..3287		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3
Gene No.	42683	Strand	-
Start	8057	End	8494
Name	OJ990416_01.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	5481	End	8332
GI	none	Score	72
Exons	5481..5585, 5607..5636, 5696..5827, 5766..5846, 5892..5972, 7784..7900, 7789..7869, 7906..8028, 7907..8077, 8054..8185, 8054..8179, 8210..8332		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3
Gene No.	42683	Strand	-
Start	8057	End	8494
Name	OJ990416_01.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	5481	End	8338
GI	none	Score	65
Exons	5481..5558, 5607..5663, 5709..5828, 5892..5972, 7744..7881, 7745..7897, 7910..8026, 8054..8185, 8177..8338		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3

Gene No.	42683	Strand	-
Start	8057	End	8494
Name	OJ990416_01.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	5484	End	7873
GI	none	Score	126
Exons	5484..5666, 5706..5852, 5901..5972, 7745..7873		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3
Gene No.	42683	Strand	-
Start	8057	End	8494
Name	OJ990416_01.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	8057	End	8347
GI	none	Score	103
Exons	8057..8173, 8059..8172, 8177..8347, 8263..8346		

Seq. No.	20465	Seq. ID	OJ990416_01.9C03.C3
Gene No.	42683	Strand	-
Start	8057	End	8494
Name	OJ990416_01.9C03.C3.o2.gp	Method	AAT/GAP
Start	8057	End	8494
GI	uC-osroM202037b03a1	Score	761
Exons	8057..8494		
GI Descrip.	'2832660/emb|CAA16735| 7.0e-21 (AL021710) lipase-like protein [Arabidopsis thaliana]'		

Seq. No.	20466	Seq. ID	OJ990416_01.9C03.C4
Gene No.	42684	Strand	+
Start	1	End	668
Name	OJ990416_01.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	668
GI	5777617	Score	74
Exons	1..47, 569..668		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	20466	Seq. ID	OJ990416_01.9C03.C4
Gene No.	42685	Strand	-
Start	1	End	1541
Name	OJ990416_01.9C03.C4.o2.np	Method	AAT/NAP
Start	1	End	1541
GI	6358765	Score	219
Exons	1..16, 1061..1541		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20466	Seq. ID	OJ990416_01.9C03.C4
Gene No.	42685	Strand	-
Start	1	End	1541
Name	OJ990416_01.9C03.C4.o1.gs	Method	GENSCAN
Start	654	End	1483
GI	none	Score	.92
Exons	654..1203, 1335..1483		

Seq. No.	20466	Seq. ID	OJ990416_01.9C03.C4
Gene No.	42685	Strand	-
Start	1	End	1541
Name	OJ990416_01.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	1074	End	1357
GI	none	Score	42

Exons	1074..1115, 1074..1124, 1075..1122, 1123..1173, 1124..1156, 1170..1253, 1170..1256, 1171..1254, 1256..1357, 1256..1357		
Seq. No.	20467	Seq. ID	OJ990416_01.9C03.C5
Gene No.	42686	Strand	+
Start	2416	End	4176
Name	OJ990416_01.9C03.C5.o2.np	Method	AAT/NAP
Start	2416	End	4176
GI	6907088	Score	469
Exons	2416..2553, 2729..2895, 3372..3614, 3964..4176		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	20467	Seq. ID	OJ990416_01.9C03.C5
Gene No.	42687	Strand	-
Start	267	End	5451
Name	OJ990416_01.9C03.C5.o3.np	Method	AAT/NAP
Start	267	End	5451
GI	4680179	Score	407
Exons	267..286, 4877..5451		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	20467	Seq. ID	OJ990416_01.9C03.C5
Gene No.	42687	Strand	-
Start	267	End	5451
Name	OJ990416_01.9C03.C5.o1.np	Method	AAT/NAP
Start	299	End	1607
GI	5777617	Score	81
Exons	299..397, 1583..1607		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	20467	Seq. ID	OJ990416_01.9C03.C5
Gene No.	42687	Strand	-
Start	267	End	5451
Name	OJ990416_01.9C03.C5.o1.gp	Method	AAT/GAP
Start	1092	End	1266
GI	10431_1.R1084	Score	313
Exons	1092..1266		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		
Seq. No.	20467	Seq. ID	OJ990416_01.9C03.C5
Gene No.	42687	Strand	-
Start	267	End	5451
Name	OJ990416_01.9C03.C5.o2.gs	Method	GENSCAN
Start	1891	End	4127
GI	none	Score	.89
Exons	1891..1964, 3323..3365, 3611..3663, 3917..4127		
Seq. No.	20467	Seq. ID	OJ990416_01.9C03.C5
Gene No.	42687	Strand	-
Start	267	End	5451
Name	OJ990416_01.9C03.C5.o3.gs	Method	GENSCAN
Start	5018	End	5401
GI	none	Score	.62
Exons	5018..5401		
Seq. No.	20467	Seq. ID	OJ990416_01.9C03.C5

Gene No.	42688	Strand	-
Start	5961	End	6232
Name	OJ990416_01.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	4908	End	5242
GI	none	Score	56
Exons	4908..5012, 4910..5242, 5061..5231		

Seq. No.	20467	Seq. ID	OJ990416_01.9C03.C5
Gene No.	42688	Strand	-
Start	5961	End	6232
Name	OJ990416_01.9C03.C5.o2.gp	Method	AAT/GAP
Start	5961	End	6232
GI	61605_1.R1084	Score	445
Exons	5961..6232		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20468	Seq. ID	OJ990416_01.9C03.C6
Gene No.	42689	Strand	-
Start	186	End	358
Name	OJ990416_01.9C03.C6.o1.np	Method	AAT/NAP
Start	186	End	358
GI	6063554	Score	127
Exons	186..358		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20469	Seq. ID	OJ990416_01.9C03.C8
Gene No.	42690	Strand	-
Start	1	End	626
Name	OJ990416_01.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	626
GI	6907088	Score	354
Exons	1..339, 594..626		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20469	Seq. ID	OJ990416_01.9C03.C8
Gene No.	42690	Strand	-
Start	1	End	626
Name	OJ990416_01.9C03.C8.o2.np	Method	AAT/NAP
Start	1	End	626
GI	6069659	Score	95
Exons	1..348, 536..626		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	20470	Seq. ID	OJ990416_01.9C03.C9
Gene No.	42691	Strand	+
Start	1	End	654
Name	OJ990416_01.9C03.C9.o1.gp	Method	AAT/GAP
Start	1	End	654
GI	101153_1.R1084	Score	284
Exons	1..149, 606..654		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20470	Seq. ID	OJ990416_01.9C03.C9

Gene No.	42692	Strand	+
Start	674	End	1592
Name	OJ990416_01.9C03.C9.o1.gs	Method	GENSCAN
Start	674	End	1592
GI	none	Score	.71
Exons	674..780, 818..1096, 1127..1592		

Seq. No.	20470	Seq. ID	OJ990416_01.9C03.C9
Gene No.	42693	Strand	+
Start	4735	End	5141
Name	OJ990416_01.9C03.C9.o2.gs	Method	GENSCAN
Start	4735	End	5141
GI	none	Score	.64
Exons	4735..4988, 5087..5141		

Seq. No.	20471	Seq. ID	OJ990416_01.9C03.C12
Gene No.	42694	Strand	+
Start	437	End	722
Name	OJ990416_01.9C03.C12.o1.gp	Method	AAT/GAP
Start	437	End	722
GI	2428185	Score	467
Exons	437..722		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	20471	Seq. ID	OJ990416_01.9C03.C12
Gene No.	42695	Strand	-
Start	162	End	287
Name	OJ990416_01.9C03.C12.o1.gs	Method	GENSCAN
Start	162	End	287
GI	none	Score	.87
Exons	162..287		

Seq. No.	20472	Seq. ID	OJ990416_01.9C03.C13
Gene No.	42696	Strand	+
Start	1	End	536
Name	OJ990416_01.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	536
GI	2832660	Score	378
Exons	1..536		
GI Descrip.	(AL021710) lipase-like protein [Arabidopsis thaliana]		

Seq. No.	20472	Seq. ID	OJ990416_01.9C03.C13
Gene No.	42696	Strand	+
Start	1	End	536
Name	OJ990416_01.9C03.C13.o1.gs	Method	GENSCAN
Start	149	End	504
GI	none	Score	.63
Exons	149..504		

Seq. No.	20472	Seq. ID	OJ990416_01.9C03.C13
Gene No.	42696	Strand	+
Start	1	End	536
Name	OJ990416_01.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	149	End	532
GI	none	Score	102
Exons	149..262, 290..340, 356..436, 422..532		

Seq. No.	20473	Seq. ID	OJ990416_01.9C03.C14
Gene No.	42697	Strand	-
Start	23	End	211
Name	OJ990416_01.9C03.C14.o1.gs	Method	GENSCAN
Start	23	End	211
GI	none	Score	.85
Exons	23..120, 126..211		

Seq. No.	20474	Seq. ID	OJ990416_01.9C03.C15
Gene No.	42698	Strand	+
Start	1	End	1747
Name	OJ990416_01.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	1747
GI	6599134	Score	105
Exons	1..365, 570..1136, 1693..1747		
GI Descrip.	(AL133561) hypothetical protein [Homo sapiens]		

Seq. No.	20474	Seq. ID	OJ990416_01.9C03.C15
Gene No.	42698	Strand	+
Start	1	End	1747
Name	OJ990416_01.9C03.C15.o1.gp	Method	AAT/GAP
Start	745	End	1207
GI	2443003	Score	726
Exons	745..1207		

Seq. No.	20474	Seq. ID	OJ990416_01.9C03.C15
Gene No.	42699	Strand	-
Start	229	End	331
Name	OJ990416_01.9C03.C15.o1.gs	Method	GENSCAN
Start	229	End	331
GI	none	Score	.55
Exons	229..331		

Seq. No.	20475	Seq. ID	OJ990416_01.9C03.C16
Gene No.	42700	Strand	+
Start	1	End	2409
Name	OJ990416_01.9C03.C16.o1.np	Method	AAT/NAP
Start	1	End	2409
GI	4539302	Score	105
Exons	1..43, 921..948, 1052..1215, 2391..2409		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	20476	Seq. ID	OJ990416_01.9C03.C17
Gene No.	42701	Strand	-
Start	1	End	2297
Name	OJ990416_01.9C03.C17.o1.np	Method	AAT/NAP
Start	1	End	937
GI	6691210	Score	204
Exons	1..23, 309..578, 684..937		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20476	Seq. ID	OJ990416_01.9C03.C17
Gene No.	42701	Strand	-
Start	1	End	2297
Name	OJ990416_01.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	358	End	974

GI	none	Score	38
Exons	358..429, 401..430, 442..579, 459..596, 460..576, 673..765, 686..766, 772..831, 779..835, 797..856, 828..854, 936..974		

Seq. No.	20476	Seq. ID	OJ990416_01.9C03.C17
Gene No.	42701	Strand	-
Start	1	End	2297
Name	OJ990416_01.9C03.C17.o1.gs	Method	GENSCAN
Start	360	End	2297
GI	none	Score	.73
Exons	360..578, 684..871, 2148..2297		

Seq. No.	20476	Seq. ID	OJ990416_01.9C03.C17
Gene No.	42701	Strand	-
Start	1	End	2297
Name	OJ990416_01.9C03.C17.o1.gp	Method	AAT/GAP
Start	518	End	1022
GI	LIB3432-005-P1-K1-A10	Score	718
Exons	518..578, 684..1022		
GI Descrip.	'2129636/pir||S68410 1.0e-14 lipase - Arabidopsis thaliana >gi_1145627 (U38916) lipase [Arabidopsis thaliana]'		

Seq. No.	20477	Seq. ID	OJ990416_01.9C03.C18
Gene No.	42702	Strand	+
Start	1	End	9294
Name	OJ990416_01.9C03.C18.o1.np	Method	AAT/NAP
Start	1	End	9294
GI	4559347	Score	73
Exons	1..29, 2643..2901, 8840..9028, 9071..9294		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20477	Seq. ID	OJ990416_01.9C03.C18
Gene No.	42702	Strand	+
Start	1	End	9294
Name	OJ990416_01.9C03.C18.o1.gs	Method	GENSCAN
Start	117	End	5244
GI	none	Score	.41
Exons	117..159, 489..539, 1189..1408, 1614..1734, 1953..2101, 2772..2935, 4866..4967, 5208..5244		

Seq. No.	20477	Seq. ID	OJ990416_01.9C03.C18
Gene No.	42703	Strand	-
Start	7374	End	10871
Name	OJ990416_01.9C03.C18.o2.np	Method	AAT/NAP
Start	7374	End	10871
GI	6691210	Score	114
Exons	7374..7477, 9674..9884, 10753..10871		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20477	Seq. ID	OJ990416_01.9C03.C18
Gene No.	42703	Strand	-
Start	7374	End	10871
Name	OJ990416_01.9C03.C18.o1.tm	Method	TBLASTX:Maize
Start	9602	End	9879
GI	none	Score	86
Exons	9602..9673, 9631..9675, 9673..9879, 9675..9857, 9676..9858		

Seq. No.	20477	Seq. ID	OJ990416_01.9C03.C18
Gene No.	42703	Strand	-
Start	7374	End	10871
Name	OJ990416_01.9C03.C18.o1.ts	Method	TBLASTX:Soybean
Start	9688	End	9870
GI	none	Score	186
Exons	9688..9870		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42704	Strand	+
Start	4885	End	5606
Name	OJ990416_01.9C03.C19.o2.gs	Method	GENSCAN
Start	4885	End	5501
GI	none	Score	.92
Exons	4885..5182, 5286..5501		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42704	Strand	+
Start	4885	End	5606
Name	OJ990416_01.9C03.C19.o3.np	Method	AAT/NAP
Start	4924	End	5606
GI	5306262	Score	138
Exons	4924..5182, 5286..5606		
GI Descrip.	(AC006233) putative lipase [Arabidopsis thaliana]		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o1.np	Method	AAT/NAP
Start	327	End	2812
GI	5911167	Score	1615
Exons	327..456, 537..2394, 2431..2812		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o2.tw	Method	TBLASTX:Wheat
Start	336	End	874
GI	none	Score	200
Exons	336..458, 533..874		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o1.tm	Method	TBLASTX:Maize
Start	516	End	979
GI	none	Score	100
Exons	516..659, 536..910, 536..979, 717..953		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o1.ts	Method	TBLASTX:Soybean
Start	541	End	931
GI	none	Score	97
Exons	541..663, 548..787, 552..662, 797..931		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o4.tm	Method	TBLASTX:Maize
Start	1004	End	1306
GI	none	Score	126
Exons	1004..1216, 1017..1190, 1223..1306, 1224..1301		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o1.tw	Method	TBLASTX:Wheat
Start	1451	End	1912
GI	none	Score	86
Exons	1451..1633, 1610..1672, 1652..1753, 1653..1754, 1754..1852, 1859..1912		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o2.tm	Method	TBLASTX:Maize
Start	1653	End	2123
GI	none	Score	173
Exons	1653..1925, 1655..1963, 1970..2122, 1980..2123		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o1.tc	Method	TBLASTX:Cress
Start	1700	End	2044
GI	none	Score	61
Exons	1700..1921, 1719..1856, 1943..2044		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42705	Strand	-
Start	327	End	2812
Name	OJ990416_01.9C03.C19.o2.ts	Method	TBLASTX:Soybean
Start	2036	End	2381
GI	none	Score	72
Exons	2036..2275, 2054..2275, 2101..2340, 2124..2381		

Seq. No.	20478	Seq. ID	OJ990416_01.9C03.C19
Gene No.	42706	Strand	
Start	4956	End	5404
Name	OJ990416_01.9C03.C19.o3.tm	Method	TBLASTX:Maize
Start	4956	End	5404
GI	none	Score	265
Exons	4956..5186, 4960..5187, 5284..5391, 5285..5404		

Seq. No.	20479	Seq. ID	OJ990416_01.9C03.C20
Gene No.	42707	Strand	+
Start	1	End	3805
Name	OJ990416_01.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	3805
GI	6691210	Score	521
Exons	1..85, 208..636, 736..928, 3168..3555, 3778..3805		

GI Descrip. (AC007508) F1K23.15 [Arabidopsis thaliana]

Seq. No.	20479	Seq. ID	OJ990416_01.9C03.C20
Gene No.	42707	Strand	+
Start	1	End	3805
Name	OJ990416_01.9C03.C20.o1.gs	Method	GENSCAN
Start	208	End	938
GI	none	Score	.97
Exons	208..633, 736..938		

Seq. No.	20479	Seq. ID	OJ990416_01.9C03.C20
Gene No.	42707	Strand	+
Start	1	End	3805
Name	OJ990416_01.9C03.C20.o1.tc	Method	TBLASTX:Cress
Start	216	End	3540
GI	none	Score	201
Exons	216..470, 350..433, 474..635, 825..917, 3352..3441, 3454..3540		

Seq. No.	20479	Seq. ID	OJ990416_01.9C03.C20
Gene No.	42707	Strand	+
Start	1	End	3805
Name	OJ990416_01.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	222	End	3540
GI	none	Score	217
Exons	222..470, 296..469, 474..635, 560..622, 735..797, 813..929, 3355..3453, 3451..3540		

Seq. No.	20479	Seq. ID	OJ990416_01.9C03.C20
Gene No.	42707	Strand	+
Start	1	End	3805
Name	OJ990416_01.9C03.C20.o1.ts	Method	TBLASTX:Soybean
Start	222	End	599
GI	none	Score	297
Exons	222..599, 311..418, 476..598		

Seq. No.	20479	Seq. ID	OJ990416_01.9C03.C20
Gene No.	42707	Strand	+
Start	1	End	3805
Name	OJ990416_01.9C03.C20.o2.gs	Method	GENSCAN
Start	2944	End	3526
GI	none	Score	.89
Exons	2944..3083, 3228..3526		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o1.np	Method	AAT/NAP
Start	1	End	3062
GI	6691210	Score	610
Exons	1..202, 701..899, 1052..1203, 1316..1603, 1720..1914, 3003..3062		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o2.tc	Method	TBLASTX:Cress
Start	14	End	1914

GI	none	Score	79
Exons	14..103, 116..202, 1059..1133, 1060..1200, 1309..1392, 1316..1426, 1436..1591, 1444..1545, 1798..1914, 1800..1904		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	17	End	1923
GI	none	Score	91
Exons	17..115, 113..202, 656..814, 686..814, 1066..1200, 1077..1196, 1294..1425, 1316..1426, 1435..1596, 1436..1591, 1678..1770, 1798..1923, 1800..1898		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o1.gs	Method	GENSCAN
Start	64	End	1917
GI	none	Score	.89
Exons	64..188, 687..899, 1052..1203, 1316..1589, 1709..1917		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o1.ts	Method	TBLASTX:Soybean
Start	1066	End	1555
GI	none	Score	96
Exons	1066..1200, 1309..1374, 1316..1555, 1423..1545		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o2.gs	Method	GENSCAN
Start	2895	End	4026
GI	none	Score	.68
Exons	2895..4026		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o2.np	Method	AAT/NAP
Start	2950	End	4087
GI	1707007	Score	460
Exons	2950..4087		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o3.tm	Method	TBLASTX:Maize
Start	2987	End	3118
GI	none	Score	194
Exons	2987..3118, 2988..3107		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+

Start	1	End	4087
Name	OJ990416_01.9C03.C21.o2.tm	Method	TBLASTX:Maize
Start	3333	End	4052
GI	none	Score	145
Exons	3333..3593, 3336..3662, 3387..3542, 3552..3887, 3561..3956, 3809..3934, 3951..4052, 3956..4024		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o1.tc	Method	TBLASTX:Cress
Start	3372	End	4025
GI	none	Score	111
Exons	3372..3605, 3672..4025, 3681..4007, 3839..4024		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o1.tw	Method	TBLASTX:Wheat
Start	3375	End	4058
GI	none	Score	151
Exons	3375..3632, 3525..3962, 3605..3934, 3840..4058		

Seq. No.	20480	Seq. ID	OJ990416_01.9C03.C21
Gene No.	42708	Strand	+
Start	1	End	4087
Name	OJ990416_01.9C03.C21.o2.ts	Method	TBLASTX:Soybean
Start	3423	End	4058
GI	none	Score	106
Exons	3423..3632, 3762..4058, 3782..4051		

Seq. No.	20481	Seq. ID	OJ990416_01.9C03.C22
Gene No.	42709	Strand	+
Start	1	End	1064
Name	OJ990416_01.9C03.C22.o1.gp	Method	AAT/GAP
Start	1	End	545
GI	none	Score	596
Exons	1..43, 140..355, 487..545		

Seq. No.	20481	Seq. ID	OJ990416_01.9C03.C22
Gene No.	42709	Strand	+
Start	1	End	1064
Name	OJ990416_01.9C03.C22.o1.gs	Method	GENSCAN
Start	140	End	1064
GI	none	Score	.71
Exons	140..355, 487..579, 825..1064		

Seq. No.	20482	Seq. ID	OJ990416_01.9C03.C25
Gene No.	42710	Strand	+
Start	1	End	768
Name	OJ990416_01.9C03.C25.o1.np	Method	AAT/NAP
Start	1	End	768
GI	6907088	Score	330
Exons	1..261, 697..768		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20482	Seq. ID	OJ990416_01.9C03.C25

Gene No.	42710	Strand	+
Start	1	End	768
Name	OJ990416_01.9C03.C25.o1.gs	Method	GENSCAN
Start	103	End	544
GI	none	Score	.56
Exons	103..261, 404..544		

Seq. No.	20482	Seq. ID	OJ990416_01.9C03.C25
Gene No.	42710	Strand	+
Start	1	End	768
Name	OJ990416_01.9C03.C25.o2.np	Method	AAT/NAP
Start	404	End	768
GI	6069659	Score	105
Exons	404..523, 673..768		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o1.gs	Method	GENSCAN
Start	382	End	2706
GI	none	Score	.78
Exons	382..2706		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o1.np	Method	AAT/NAP
Start	457	End	2715
GI	100484	Score	1241
Exons	457..698, 750..1998, 2026..2715		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o1.tw	Method	TBLASTX:Wheat
Start	877	End	1470
GI	none	Score	218
Exons	877..1167, 879..1169, 1225..1341, 1228..1326, 1345..1470, 1362..1469		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o1.ts	Method	TBLASTX:Soybean
Start	895	End	1167
GI	none	Score	292
Exons	895..1167, 912..1160		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o2.ts	Method	TBLASTX:Soybean
Start	1210	End	1485
GI	none	Score	221
Exons	1210..1485, 1245..1484		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o1.tc	Method	TBLASTX:Cress
Start	1234	End	1566
GI	none	Score	288
Exons	1234..1566, 1320..1370, 1404..1511		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o2.tm	Method	TBLASTX:Maize
Start	1372	End	1857
GI	none	Score	102
Exons	1372..1476, 1380..1475, 1479..1571, 1483..1572, 1640..1675, 1669..1716, 1717..1764, 1761..1853, 1768..1857		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o2.tw	Method	TBLASTX:Wheat
Start	1471	End	1806
GI	none	Score	57
Exons	1471..1512, 1516..1614, 1518..1613, 1660..1758, 1671..1742, 1768..1806		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o1.tm	Method	TBLASTX:Maize
Start	2362	End	2715
GI	none	Score	59
Exons	2362..2430, 2430..2555, 2430..2714, 2431..2715		

Seq. No.	20483	Seq. ID	OJ990416_01.9C03.C27
Gene No.	42711	Strand	+
Start	382	End	2715
Name	OJ990416_01.9C03.C27.o3.tw	Method	TBLASTX:Wheat
Start	2386	End	2715
GI	none	Score	222
Exons	2386..2715, 2439..2714		

Seq. No.	20484	Seq. ID	OJ990416_01.9C03.C28
Gene No.	42712	Strand	+
Start	1	End	1994
Name	OJ990416_01.9C03.C28.o1.np	Method	AAT/NAP
Start	1	End	1994
GI	4680203	Score	524
Exons	1..978, 1885..1994		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20484	Seq. ID	OJ990416_01.9C03.C28
Gene No.	42712	Strand	+
Start	1	End	1994
Name	OJ990416_01.9C03.C28.o1.tw	Method	TBLASTX:Wheat
Start	2	End	1635

GI	none	Score	374
Exons	2..367, 3..455, 464..646, 474..662, 639..740, 650..769, 771..872, 773..865, 1573..1635		

Seq. No.	20484	Seq. ID	OJ990416_01.9C03.C28
Gene No.	42712	Strand	+
Start	1	End	1994
Name	OJ990416_01.9C03.C28.o1.gs	Method	GENSCAN
Start	6	End	1079
GI	none	Score	.58
Exons	6..1079		

Seq. No.	20484	Seq. ID	OJ990416_01.9C03.C28
Gene No.	42712	Strand	+
Start	1	End	1994
Name	OJ990416_01.9C03.C28.o1.tc	Method	TBLASTX:Cress
Start	30	End	455
GI	none	Score	317
Exons	30..455, 38..367		

Seq. No.	20484	Seq. ID	OJ990416_01.9C03.C28
Gene No.	42712	Strand	+
Start	1	End	1994
Name	OJ990416_01.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	348	End	638
GI	none	Score	146
Exons	348..518, 396..512, 530..637, 531..638		

Seq. No.	20484	Seq. ID	OJ990416_01.9C03.C28
Gene No.	42712	Strand	+
Start	1	End	1994
Name	OJ990416_01.9C03.C28.o1.ts	Method	TBLASTX:Soybean
Start	720	End	932
GI	none	Score	187
Exons	720..932, 720..878		

Seq. No.	20485	Seq. ID	OJ990416_01.9C03.C29
Gene No.	42713	Strand	+
Start	110	End	1437
Name	OJ990416_01.9C03.C29.o1.gs	Method	GENSCAN
Start	110	End	1437
GI	none	Score	.71
Exons	110..1219, 1336..1437		

Seq. No.	20486	Seq. ID	OJ990416_01.9C03.C30
Gene No.	42714	Strand	+
Start	1	End	231
Name	OJ990416_01.9C03.C30.o1.np	Method	AAT/NAP
Start	1	End	231
GI	4680204	Score	72
Exons	1..231		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20486	Seq. ID	OJ990416_01.9C03.C30
Gene No.	42715	Strand	+
Start	320	End	1906
Name	OJ990416_01.9C03.C30.o1.gs	Method	GENSCAN

Start	320	End	1906
GI	none	Score	.88
Exons	320..599, 681..741, 827..1078, 1359..1440, 1715..1906		

Seq. No.	20487	Seq. ID	OJ990416_01.9C03.C32
Gene No.	42716	Strand	-
Start	129	End	957
Name	OJ990416_01.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	101	End	927
GI	none	Score	181
Exons	101..388, 129..410, 130..333, 131..388, 739..927, 740..901, 745..927		

Seq. No.	20487	Seq. ID	OJ990416_01.9C03.C32
Gene No.	42716	Strand	-
Start	129	End	957
Name	OJ990416_01.9C03.C32.o1.np	Method	AAT/NAP
Start	122	End	957
GI	6691210	Score	325
Exons	122..408, 737..957		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20487	Seq. ID	OJ990416_01.9C03.C32
Gene No.	42716	Strand	-
Start	129	End	957
Name	OJ990416_01.9C03.C32.o1.gs	Method	GENSCAN
Start	129	End	882
GI	none	Score	.72
Exons	129..439, 741..882		

Seq. No.	20487	Seq. ID	OJ990416_01.9C03.C32
Gene No.	42716	Strand	-
Start	129	End	957
Name	OJ990416_01.9C03.C32.o1.ts	Method	TBLASTX:Soybean
Start	207	End	395
GI	none	Score	79
Exons	207..395, 211..318, 248..385		

Seq. No.	20487	Seq. ID	OJ990416_01.9C03.C32
Gene No.	42716	Strand	-
Start	129	End	957
Name	OJ990416_01.9C03.C32.o1.tc	Method	TBLASTX:Cress
Start	210	End	861
GI	none	Score	89
Exons	210..398, 211..315, 257..397, 712..861		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42717	Strand	+
Start	4037	End	4454
Name	OJ990416_01.9C03.C33.o2.gp	Method	AAT/GAP
Start	4037	End	4454
GI	none	Score	812
Exons	4037..4454		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42718	Strand	+
Start	5921	End	5995

Name	OJ990416_01.9C03.C33.o3.gp	Method	AAT/GAP
Start	5921	End	5995
GI	557_1.R1084	Score	68
Exons	5921..5995		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42719	Strand	-
Start	1	End	6985
Name	OJ990416_01.9C03.C33.o2.np	Method	AAT/NAP
Start	1	End	6985
GI	6691210	Score	758
Exons	1..121, 2093..2313, 2432..2687, 3700..3792, 4344..4546, 5040..5320, 5427..5575, 6788..6985		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42719	Strand	-
Start	1	End	6985
Name	OJ990416_01.9C03.C33.o1.gs	Method	GENSCAN
Start	1964	End	2305
GI	none	Score	.98
Exons	1964..2305		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42719	Strand	-
Start	1	End	6985
Name	OJ990416_01.9C03.C33.o1.tm	Method	TBLASTX:Maize
Start	2049	End	6985
GI	none	Score	193
Exons	2049..2207, 2072..2311, 2090..2299, 2133..2312, 2433..2522, 2434..2514, 2515..2595, 2516..2587, 2521..2595, 4234..4548, 4235..4549, 5042..5329, 5043..5321, 5048..5335, 5425..5478, 5425..5562, 5427..5576, 5430..5576, 5530..5583, 6755..6850, 6782..6865, 6783..6866, 6783..6866, 6784..6867, 6873..6974, 6875..6985, 6898..6984		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42719	Strand	-
Start	1	End	6985
Name	OJ990416_01.9C03.C33.o1.tc	Method	TBLASTX:Cress
Start	2105	End	5573
GI	none	Score	90
Exons	2105..2284, 2267..2311, 2433..2504, 2434..2505, 2530..2583, 2531..2578, 4345..4536, 5042..5341, 5084..5335, 5088..5345, 5430..5573		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42719	Strand	-
Start	1	End	6985
Name	OJ990416_01.9C03.C33.o2.ts	Method	TBLASTX:Soybean
Start	2180	End	6937
GI	none	Score	100
Exons	2180..2245, 2273..2311, 2433..2531, 2434..2532, 2536..2592, 2537..2578, 6875..6937		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42719	Strand	-
Start	1	End	6985
Name	OJ990416_01.9C03.C33.o2.gs	Method	GENSCAN
Start	2383	End	6866
GI	none	Score	.6
Exons	2383..2860, 3051..3175, 4285..4547, 5044..5334, 6785..6866		

Seq. No.	20488	Seq. ID	OJ990416_01.9C03.C33
Gene No.	42719	Strand	-
Start	1	End	6985
Name	OJ990416_01.9C03.C33.o1.ts	Method	TBLASTX:Soybean
Start	5078	End	5579
GI	none	Score	70
Exons	5078..5200, 5079..5201, 5210..5344, 5241..5345, 5430..5579		

Seq. No.	20489	Seq. ID	OJ990416_01.9C03.C34
Gene No.	42720	Strand	-
Start	1	End	1421
Name	OJ990416_01.9C03.C34.o1.np	Method	AAT/NAP
Start	1	End	317
GI	6691210	Score	141
Exons	1..317		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20489	Seq. ID	OJ990416_01.9C03.C34
Gene No.	42720	Strand	-
Start	1	End	1421
Name	OJ990416_01.9C03.C34.o1.gs	Method	GENSCAN
Start	16	End	1421
GI	none	Score	.82
Exons	16..546, 552..709, 1409..1421		

Seq. No.	20489	Seq. ID	OJ990416_01.9C03.C34
Gene No.	42720	Strand	-
Start	1	End	1421
Name	OJ990416_01.9C03.C34.o1.tc	Method	TBLASTX:Cress
Start	54	End	233
GI	none	Score	100
Exons	54..233, 61..147, 181..219		

Seq. No.	20489	Seq. ID	OJ990416_01.9C03.C34
Gene No.	42720	Strand	-
Start	1	End	1421
Name	OJ990416_01.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	54	End	236
GI	none	Score	122
Exons	54..185, 67..150, 159..236, 160..234		

Seq. No.	20489	Seq. ID	OJ990416_01.9C03.C34
Gene No.	42720	Strand	-
Start	1	End	1421
Name	OJ990416_01.9C03.C34.o1.gp	Method	AAT/GAP
Start	65	End	414
GI	36179_1.R1084	Score	663
Exons	65..414		
GI Descrip.	'4314378/gb|AAD15588| 9.0e-18 (AC006232) putative lipase		

[Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'

Seq. No.	20490	Seq. ID	OJ990416_01.9C03.C35
Gene No.	42721	Strand	-
Start	309	End	790
Name	OJ990416_01.9C03.C35.o1.gp	Method	AAT/GAP
Start	309	End	790
GI	28557_1.R1084	Score	677
Exons	309..670, 769..790		
GI Descrip.	'126896/sp|P17783|MDHM_CITVU 6.0e-95 MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR >gi_319831_pir__DEPUMW malate dehydrogenase (EC 1.1.1.37) precursor, mitochondrial - watermelon >gi_18297_emb_CAA35239_ (X17362) precursor protein (AA -27 to 320) [Citrullus lanatus]'		

Seq. No.	20490	Seq. ID	OJ990416_01.9C03.C35
Gene No.	42721	Strand	-
Start	309	End	790
Name	OJ990416_01.9C03.C35.o1.np	Method	AAT/NAP
Start	546	End	790
GI	2827080	Score	154
Exons	546..790		
GI Descrip.	(AF020271) malate dehydrogenase precursor [Medicago sativa]		

Seq. No.	20491	Seq. ID	OJ990416_01.9C03.C36
Gene No.	42722	Strand	+
Start	3968	End	5031
Name	OJ990416_01.9C03.C36.o2.gs	Method	GENSCAN
Start	3968	End	5031
GI	none	Score	.7
Exons	3968..4032, 4778..5031		

Seq. No.	20491	Seq. ID	OJ990416_01.9C03.C36
Gene No.	42723	Strand	-
Start	1	End	5318
Name	OJ990416_01.9C03.C36.o1.np	Method	AAT/NAP
Start	1	End	1152
GI	6907086	Score	1056
Exons	1..326, 386..1152		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20491	Seq. ID	OJ990416_01.9C03.C36
Gene No.	42723	Strand	-
Start	1	End	5318
Name	OJ990416_01.9C03.C36.o2.np	Method	AAT/NAP
Start	292	End	5318
GI	4680186	Score	192
Exons	292..354, 2095..2278, 2807..2870, 5290..5318		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20491	Seq. ID	OJ990416_01.9C03.C36
Gene No.	42723	Strand	-
Start	1	End	5318
Name	OJ990416_01.9C03.C36.o1.gp	Method	AAT/GAP
Start	3586	End	4076
GI	uC-osflcyp121e07b1	Score	958

Exons	3586..4076		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 7.0e-19 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	20492	Seq. ID	OJ990416_01.9C03.C38
Gene No.	42724	Strand	+
Start	53	End	158
Name	OJ990416_01.9C03.C38.o1.gs	Method	GENSCAN
Start	53	End	158
GI	none	Score	.59
Exons	53..158		
Seq. No.	20493	Seq. ID	OJ990416_01.9C03.C40
Gene No.	42725	Strand	-
Start	1	End	619
Name	OJ990416_01.9C03.C40.o1.np	Method	AAT/NAP
Start	1	End	599
GI	6907088	Score	549
Exons	1..286, 462..599		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	20493	Seq. ID	OJ990416_01.9C03.C40
Gene No.	42725	Strand	-
Start	1	End	619
Name	OJ990416_01.9C03.C40.o1.gs	Method	GENSCAN
Start	189	End	619
GI	none	Score	.44
Exons	189..286, 462..619		
Seq. No.	20494	Seq. ID	OJ990416_01.9C03.C41
Gene No.	42726	Strand	+
Start	1	End	5219
Name	OJ990416_01.9C03.C41.o2.np	Method	AAT/NAP
Start	1	End	5219
GI	4680191	Score	33
Exons	1..81, 1084..1228, 5156..5219		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		
Seq. No.	20494	Seq. ID	OJ990416_01.9C03.C41
Gene No.	42726	Strand	+
Start	1	End	5219
Name	OJ990416_01.9C03.C41.o1.gs	Method	GENSCAN
Start	302	End	4935
GI	none	Score	.41
Exons	302..311, 374..474, 1006..1120, 1934..2119, 2232..2450, 3611..3758, 3986..4075, 4893..4935		
Seq. No.	20494	Seq. ID	OJ990416_01.9C03.C41
Gene No.	42726	Strand	+
Start	1	End	5219
Name	OJ990416_01.9C03.C41.o1.gp	Method	AAT/GAP
Start	584	End	1112
GI	38782_1.R1084	Score	798
Exons	584..1112		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	20494	Seq. ID	OJ990416_01.9C03.C41
Gene No.	42726	Strand	+
Start	1	End	5219
Name	OJ990416_01.9C03.C41.o3.np	Method	AAT/NAP
Start	1868	End	5219
GI	6691210	Score	207
Exons	1868..2119, 2232..2440, 5166..5219		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20494	Seq. ID	OJ990416_01.9C03.C41
Gene No.	42727	Strand	-
Start	1	End	238
Name	OJ990416_01.9C03.C41.o1.np	Method	AAT/NAP
Start	1	End	238
GI	6907088	Score	201
Exons	1..238		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20494	Seq. ID	OJ990416_01.9C03.C41
Gene No.	42728	Strand	-
Start	3152	End	4577
Name	OJ990416_01.9C03.C41.o1.tm	Method	TBLASTX:Maize
Start	1940	End	2452
GI	none	Score	122
Exons	1940..2011, 1949..2026, 1951..2037, 2034..2117, 2038..2130, 2248..2361, 2249..2368, 2380..2409, 2381..2452		

Seq. No.	20494	Seq. ID	OJ990416_01.9C03.C41
Gene No.	42728	Strand	-
Start	3152	End	4577
Name	OJ990416_01.9C03.C41.o1.tc	Method	TBLASTX:Cress
Start	1952	End	2368
GI	none	Score	57
Exons	1952..2002, 1966..2010, 2034..2150, 2041..2151, 2261..2368, 2290..2361		

Seq. No.	20494	Seq. ID	OJ990416_01.9C03.C41
Gene No.	42728	Strand	-
Start	3152	End	4577
Name	OJ990416_01.9C03.C41.o4.np	Method	AAT/NAP
Start	3152	End	4577
GI	5852084	Score	85
Exons	3152..3268, 3958..4059, 4548..4577		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	20495	Seq. ID	OJ990416_01.9C03.C42
Gene No.	42729	Strand	+
Start	103	End	1692
Name	OJ990416_01.9C03.C42.o1.tm	Method	TBLASTX:Maize
Start	93	End	1167
GI	none	Score	192
Exons	93..254, 96..251, 870..1166, 871..1167		

Seq. No.	20495	Seq. ID	OJ990416_01.9C03.C42
Gene No.	42729	Strand	+
Start	103	End	1692

Name	OJ990416_01.9C03.C42.o1.ts	Method	TBLASTX:Soybean
Start	99	End	1131
GI	none	Score	123
Exons	99..248, 855..968, 856..999, 1009..1131, 1019..1123		

Seq. No.	20495	Seq. ID	OJ990416_01.9C03.C42
Gene No.	42729	Strand	+
Start	103	End	1692
Name	OJ990416_01.9C03.C42.o1.gs	Method	GENSCAN
Start	103	End	1281
GI	none	Score	.94
Exons	103..251, 976..1165, 1244..1281		

Seq. No.	20495	Seq. ID	OJ990416_01.9C03.C42
Gene No.	42729	Strand	+
Start	103	End	1692
Name	OJ990416_01.9C03.C42.o1.np	Method	AAT/NAP
Start	103	End	1692
GI	6691210	Score	312
Exons	103..251, 889..1165, 1673..1692		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20495	Seq. ID	OJ990416_01.9C03.C42
Gene No.	42729	Strand	+
Start	103	End	1692
Name	OJ990416_01.9C03.C42.o1.tc	Method	TBLASTX:Cress
Start	162	End	1146
GI	none	Score	59
Exons	162..251, 868..1146, 870..1049		

Seq. No.	20496	Seq. ID	OJ990416_01.9C03.C44
Gene No.	42730	Strand	+
Start	1	End	169
Name	OJ990416_01.9C03.C44.o1.np	Method	AAT/NAP
Start	1	End	169
GI	4539658	Score	101
Exons	1..169		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	20496	Seq. ID	OJ990416_01.9C03.C44
Gene No.	42731	Strand	+
Start	428	End	628
Name	OJ990416_01.9C03.C44.o1.tm	Method	TBLASTX:Maize
Start	6	End	173
GI	none	Score	145
Exons	6..173, 6..164, 8..172		

Seq. No.	20496	Seq. ID	OJ990416_01.9C03.C44
Gene No.	42731	Strand	+
Start	428	End	628
Name	OJ990416_01.9C03.C44.o2.np	Method	AAT/NAP
Start	428	End	628
GI	5257279	Score	91
Exons	428..628		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	20496	Seq. ID	OJ990416_01.9C03.C44
Gene No.	42731	Strand	+
Start	428	End	628
Name	OJ990416_01.9C03.C44.o1.gs	Method	GENSCAN
Start	459	End	618
GI	none	Score	.4
Exons	459..618		

Seq. No.	20497	Seq. ID	OJ990416_01.9C03.C45
Gene No.	42732	Strand	-
Start	535	End	1330
Name	OJ990416_01.9C03.C45.o1.gs	Method	GENSCAN
Start	535	End	1330
GI	none	Score	.4
Exons	535..642, 901..1060, 1122..1330		

Seq. No.	20498	Seq. ID	OJ990416_01.9C03.C47
Gene No.	42733	Strand	-
Start	130	End	4506
Name	OJ990416_01.9C03.C47.o1.gs	Method	GENSCAN
Start	130	End	4506
GI	none	Score	.65
Exons	130..214, 324..448, 521..629, 2999..3181, 4349..4506		

Seq. No.	20499	Seq. ID	OJ990416_01.9C03.C48
Gene No.	42734	Strand	+
Start	1	End	3056
Name	OJ990416_01.9C03.C48.o1.np	Method	AAT/NAP
Start	1	End	3056
GI	6691210	Score	473
Exons	1..23, 983..1132, 1637..1916, 2390..2589, 3021..3056		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20499	Seq. ID	OJ990416_01.9C03.C48
Gene No.	42734	Strand	+
Start	1	End	3056
Name	OJ990416_01.9C03.C48.o1.tm	Method	TBLASTX:Maize
Start	974	End	2670
GI	none	Score	105
Exons	974..1132, 976..1134, 978..1130, 986..1132, 1637..1909, 1638..1913, 1655..1915, 2373..2669, 2392..2652, 2407..2670, 2415..2657		

Seq. No.	20499	Seq. ID	OJ990416_01.9C03.C48
Gene No.	42734	Strand	+
Start	1	End	3056
Name	OJ990416_01.9C03.C48.o2.ts	Method	TBLASTX:Soybean
Start	980	End	1879
GI	none	Score	123
Exons	980..1129, 1585..1716, 1655..1747, 1757..1879, 1767..1871		

Seq. No.	20499	Seq. ID	OJ990416_01.9C03.C48
Gene No.	42734	Strand	+
Start	1	End	3056
Name	OJ990416_01.9C03.C48.o1.gs	Method	GENSCAN
Start	984	End	2748

GI	none	Score	.59
Exons	984..1132, 1781..1913, 2390..2652, 2701..2748		

Seq. No.	20499	Seq. ID	OJ990416_01.9C03.C48
Gene No.	42734	Strand	+
Start	1	End	3056
Name	OJ990416_01.9C03.C48.o1.tc	Method	TBLASTX:Cress
Start	1043	End	2589
GI	none	Score	61
Exons	1043..1132, 1591..1797, 1658..1894, 2388..2588, 2392..2589		

Seq. No.	20499	Seq. ID	OJ990416_01.9C03.C48
Gene No.	42734	Strand	+
Start	1	End	3056
Name	OJ990416_01.9C03.C48.o1.ts	Method	TBLASTX:Soybean
Start	2400	End	2611
GI	none	Score	42
Exons	2400..2435, 2404..2601, 2409..2588, 2510..2611		

Seq. No.	20500	Seq. ID	OJ990416_01.9C03.C50
Gene No.	42735	Strand	+
Start	64	End	187
Name	OJ990416_01.9C03.C50.o1.gs	Method	GENSCAN
Start	64	End	187
GI	none	Score	.73
Exons	64..187		

Seq. No.	20501	Seq. ID	OJ990416_01.9C03.C51
Gene No.	42736	Strand	+
Start	176	End	411
Name	OJ990416_01.9C03.C51.o1.gs	Method	GENSCAN
Start	176	End	411
GI	none	Score	.55
Exons	176..411		

Seq. No.	20501	Seq. ID	OJ990416_01.9C03.C51
Gene No.	42737	Strand	-
Start	1	End	430
Name	OJ990416_01.9C03.C51.o1.np	Method	AAT/NAP
Start	1	End	430
GI	4680191	Score	66
Exons	1..61, 342..430		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	20502	Seq. ID	OJ990416_01.9C03.C52
Gene No.	42738	Strand	-
Start	9	End	235
Name	OJ990416_01.9C03.C52.o1.gp	Method	AAT/GAP
Start	9	End	235
GI	13449_1.R1084	Score	417
Exons	9..235		
GI Descrip.	'4314378/gb|AAD15588| 5.0e-55 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	20502	Seq. ID	OJ990416_01.9C03.C52

Gene No.	42739	Strand	-
Start	139	End	235
Name	OJ990416_01.9C03.C52.o1.tm	Method	TBLASTX:Maize
Start	43	End	235
GI	none	Score	106
Exons	43..222, 43..234, 50..235		

Seq. No.	20502	Seq. ID	OJ990416_01.9C03.C52
Gene No.	42739	Strand	-
Start	139	End	235
Name	OJ990416_01.9C03.C52.o1.np	Method	AAT/NAP
Start	139	End	235
GI	6691210	Score	77
Exons	139..235		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20503	Seq. ID	OJ990416_01.9C03.C54
Gene No.	42740	Strand	+
Start	1	End	266
Name	OJ990416_01.9C03.C54.o1.np	Method	AAT/NAP
Start	1	End	266
GI	5042463	Score	60
Exons	1..266		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	20503	Seq. ID	OJ990416_01.9C03.C54
Gene No.	42741	Strand	-
Start	204	End	581
Name	OJ990416_01.9C03.C54.o1.gs	Method	GENSCAN
Start	204	End	581
GI	none	Score	.68
Exons	204..321, 565..581		

Seq. No.	20504	Seq. ID	OJ990416_01.9C03.C56
Gene No.	42742	Strand	+
Start	1	End	1077
Name	OJ990416_01.9C03.C56.o1.np	Method	AAT/NAP
Start	1	End	1077
GI	2832660	Score	230
Exons	1..101, 755..1077		
GI Descrip.	(AL021710) lipase-like protein [Arabidopsis thaliana]		

Seq. No.	20504	Seq. ID	OJ990416_01.9C03.C56
Gene No.	42742	Strand	+
Start	1	End	1077
Name	OJ990416_01.9C03.C56.o1.gs	Method	GENSCAN
Start	776	End	1051
GI	none	Score	.66
Exons	776..1051		

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42743	Strand	+
Start	1617	End	4394
Name	OJ990416_01.9C03.C57.o1.np	Method	AAT/NAP
Start	1617	End	4385
GI	2832660	Score	867
Exons	1617..2249, 3762..4385		

GI Descrip. (AL021710) lipase-like protein [Arabidopsis thaliana]

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42743	Strand	+
Start	1617	End	4394
Name	OJ990416_01.9C03.C57.o1.gs	Method	GENSCAN
Start	1671	End	4394
GI	none	Score	.78
Exons	1671..2249, 3528..3572, 3762..3886, 3956..4394		

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42744	Strand	-
Start	1	End	4355
Name	OJ990416_01.9C03.C57.o1.gp	Method	AAT/GAP
Start	1	End	310
GI	uC-osf1cyp170e12a1	Score	592
Exons	1..310		
GI Descrip.	'3746065 3.0e-19 (AC005311) putative lipase [Arabidopsis thaliana]'		

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42744	Strand	-
Start	1	End	4355
Name	OJ990416_01.9C03.C57.o2.tm	Method	TBLASTX:Maize
Start	1	End	4352
GI	none	Score	73
Exons	1..66, 4089..4184, 4100..4189, 4206..4352, 4206..4346		

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42744	Strand	-
Start	1	End	4355
Name	OJ990416_01.9C03.C57.o1.ts	Method	TBLASTX:Soybean
Start	1606	End	4352
GI	none	Score	37
Exons	1606..1659, 1671..1889, 1890..1934, 1983..2105, 1989..2105, 2172..2252, 3759..3893, 4059..4352, 4109..4345		

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42744	Strand	-
Start	1	End	4355
Name	OJ990416_01.9C03.C57.o1.tc	Method	TBLASTX:Cress
Start	1650	End	3884
GI	none	Score	313
Exons	1650..2162, 3759..3884		

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42744	Strand	-
Start	1	End	4355
Name	OJ990416_01.9C03.C57.o1.tm	Method	TBLASTX:Maize
Start	1655	End	1886
GI	none	Score	329
Exons	1655..1885, 1656..1886		

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42744	Strand	-
Start	1	End	4355
Name	OJ990416_01.9C03.C57.o3.tm	Method	TBLASTX:Maize

Start	1889	End	3893
GI	none	Score	53
Exons	1889..1942, 1992..2105, 1998..2105, 2163..2258, 3798..3893, 3818..3883		

Seq. No.	20505	Seq. ID	OJ990416_01.9C03.C57
Gene No.	42744	Strand	-
Start	1	End	4355
Name	OJ990416_01.9C03.C57.o2.tc	Method	TBLASTX:Cress
Start	3999	End	4355
GI	none	Score	229
Exons	3999..4355, 4154..4282, 4206..4346		

Seq. No.	20506	Seq. ID	OJ990416_01.9C03.C58
Gene No.	42745	Strand	+
Start	1340	End	1695
Name	OJ990416_01.9C03.C58.o1.np	Method	AAT/NAP
Start	1340	End	1692
GI	5734634	Score	149
Exons	1340..1402, 1438..1692		
GI Descrip.	(AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		

Seq. No.	20506	Seq. ID	OJ990416_01.9C03.C58
Gene No.	42745	Strand	+
Start	1340	End	1695
Name	OJ990416_01.9C03.C58.o1.gs	Method	GENSCAN
Start	1390	End	1669
GI	none	Score	.8
Exons	1390..1669		

Seq. No.	20506	Seq. ID	OJ990416_01.9C03.C58
Gene No.	42745	Strand	+
Start	1340	End	1695
Name	OJ990416_01.9C03.C58.o1.tm	Method	TBLASTX:Maize
Start	1447	End	1695
GI	none	Score	147
Exons	1447..1563, 1482..1562, 1579..1695, 1608..1694		

Seq. No.	20507	Seq. ID	OJ990416_01.9C03.C59
Gene No.	42746	Strand	+
Start	1	End	4485
Name	OJ990416_01.9C03.C59.o1.np	Method	AAT/NAP
Start	1	End	4485
GI	6691210	Score	441
Exons	1..37, 1014..1244, 1350..1809, 3821..3999, 4365..4485		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20507	Seq. ID	OJ990416_01.9C03.C59
Gene No.	42746	Strand	+
Start	1	End	4485
Name	OJ990416_01.9C03.C59.o1.gs	Method	GENSCAN
Start	1045	End	2075
GI	none	Score	.89
Exons	1045..1257, 1351..1788, 2023..2075		

Seq. No.	20507	Seq. ID	OJ990416_01.9C03.C59
Gene No.	42746	Strand	+

Start	1	End	4485
Name	OJ990416_01.9C03.C59.o1.gp	Method	AAT/GAP
Start	2821	End	3191
GI	3061243	Score	706
Exons	2821..3191		

Seq. No.	20507	Seq. ID	OJ990416_01.9C03.C59
Gene No.	42747	Strand	-
Start	2570	End	3999
Name	OJ990416_01.9C03.C59.o1.tm	Method	TBLASTX:Maize
Start	1044	End	3999
GI	none	Score	68
Exons	1044..1175, 1374..1790, 1397..1477, 1541..1789, 3871..3999, 3873..3983		

Seq. No.	20507	Seq. ID	OJ990416_01.9C03.C59
Gene No.	42747	Strand	-
Start	2570	End	3999
Name	OJ990416_01.9C03.C59.o1.tc	Method	TBLASTX:Cress
Start	1374	End	3999
GI	none	Score	307
Exons	1374..1790, 1382..1444, 1538..1741, 3870..3998, 3871..3999		

Seq. No.	20507	Seq. ID	OJ990416_01.9C03.C59
Gene No.	42747	Strand	-
Start	2570	End	3999
Name	OJ990416_01.9C03.C59.o1.ts	Method	TBLASTX:Soybean
Start	1374	End	1754
GI	none	Score	201
Exons	1374..1622, 1632..1754		

Seq. No.	20507	Seq. ID	OJ990416_01.9C03.C59
Gene No.	42747	Strand	-
Start	2570	End	3999
Name	OJ990416_01.9C03.C59.o2.gs	Method	GENSCAN
Start	2570	End	3064
GI	none	Score	.98
Exons	2570..3064		

Seq. No.	20508	Seq. ID	OJ990416_01.9C03.C60
Gene No.	42748	Strand	-
Start	1	End	1136
Name	OJ990416_01.9C03.C60.o1.np	Method	AAT/NAP
Start	1	End	1124
GI	2832660	Score	424
Exons	1..20, 483..1124		
GI Descrip.	(AL021710) lipase-like protein [Arabidopsis thaliana]		

Seq. No.	20508	Seq. ID	OJ990416_01.9C03.C60
Gene No.	42748	Strand	-
Start	1	End	1136
Name	OJ990416_01.9C03.C60.o1.tc	Method	TBLASTX:Cress
Start	435	End	1058
GI	none	Score	280
Exons	435..566, 636..1058		

Seq. No.	20508	Seq. ID	OJ990416_01.9C03.C60

Gene No.	42748	Strand	-
Start	1	End	1136
Name	OJ990416_01.9C03.C60.o1.ts	Method	TBLASTX:Soybean
Start	492	End	1070
GI	none	Score	63
Exons	492..575, 612..851, 618..815, 861..1070, 907..1068		

Seq. No.	20508	Seq. ID	OJ990416_01.9C03.C60
Gene No.	42748	Strand	-
Start	1	End	1136
Name	OJ990416_01.9C03.C60.o1.gs	Method	GENSCAN
Start	498	End	1097
GI	none	Score	.5
Exons	498..1097		

Seq. No.	20508	Seq. ID	OJ990416_01.9C03.C60
Gene No.	42748	Strand	-
Start	1	End	1136
Name	OJ990416_01.9C03.C60.o1.gp	Method	AAT/GAP
Start	656	End	1136
GI	uC-osflcyp170e12b1	Score	864
Exons	656..1136		
GI Descrip.	'2832660/emb|CAA16735| 3.0e-18 (AL021710) lipase-like protein [Arabidopsis thaliana]'		

Seq. No.	20508	Seq. ID	OJ990416_01.9C03.C60
Gene No.	42748	Strand	-
Start	1	End	1136
Name	OJ990416_01.9C03.C60.o1.tm	Method	TBLASTX:Maize
Start	921	End	1128
GI	none	Score	211
Exons	921..1118, 922..1128		

Seq. No.	20509	Seq. ID	OJ990416_01.9C03.C61
Gene No.	42749	Strand	-
Start	1	End	1007
Name	OJ990416_01.9C03.C61.o1.np	Method	AAT/NAP
Start	1	End	982
GI	2832660	Score	290
Exons	1..81, 308..731, 769..982		
GI Descrip.	(AL021710) lipase-like protein [Arabidopsis thaliana]		

Seq. No.	20509	Seq. ID	OJ990416_01.9C03.C61
Gene No.	42749	Strand	-
Start	1	End	1007
Name	OJ990416_01.9C03.C61.o1.gp	Method	AAT/GAP
Start	475	End	1007
GI	uC-osflcyp170e12b1	Score	533
Exons	475..731, 769..1007		
GI Descrip.	'2832660/emb|CAA16735| 3.0e-18 (AL021710) lipase-like protein [Arabidopsis thaliana]'		

Seq. No.	20509	Seq. ID	OJ990416_01.9C03.C61
Gene No.	42750	Strand	-
Start	1372	End	1785
Name	OJ990416_01.9C03.C61.o1.ts	Method	TBLASTX:Soybean
Start	311	End	664

GI	none	Score	63
Exons	311..394, 431..664, 437..634		

Seq. No.	20509	Seq. ID	OJ990416_01.9C03.C61
Gene No.	42750	Strand	-
Start	1372	End	1785
Name	OJ990416_01.9C03.C61.o2.gp	Method	AAT/GAP
Start	1372	End	1785
GI	none	Score	749
Exons	1372..1785		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o1.gs	Method	GENSCAN
Start	756	End	1705
GI	none	Score	.59
Exons	756..814, 956..1212, 1284..1705		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o1.ts	Method	TBLASTX:Soybean
Start	862	End	1229
GI	none	Score	120
Exons	862..1071, 864..1229		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o1.tc	Method	TBLASTX:Cress
Start	864	End	1358
GI	none	Score	68
Exons	864..1010, 864..1358, 979..1077		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o1.tm	Method	TBLASTX:Maize
Start	864	End	1286
GI	none	Score	91
Exons	864..1286, 964..1071		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o1.np	Method	AAT/NAP
Start	867	End	1850
GI	4263522	Score	780
Exons	867..1850		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o2.tc	Method	TBLASTX:Cress
Start	1430	End	1825

GI	none	Score	59
Exons	1430..1567, 1436..1603, 1437..1583, 1595..1825, 1596..1694, 1598..1714		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o2.ts	Method	TBLASTX:Soybean
Start	1463	End	1804
GI	none	Score	71
Exons	1463..1618, 1464..1607, 1592..1804, 1608..1754		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o2.tm	Method	TBLASTX:Maize
Start	1481	End	1849
GI	none	Score	84
Exons	1481..1849, 1524..1652		

Seq. No.	20510	Seq. ID	OJ990416_01.9C03.C62
Gene No.	42751	Strand	-
Start	756	End	1850
Name	OJ990416_01.9C03.C62.o1.tw	Method	TBLASTX:Wheat
Start	1487	End	1850
GI	none	Score	87
Exons	1487..1714, 1592..1846, 1620..1850		

Seq. No.	20511	Seq. ID	OJ990416_01.9C03.C64
Gene No.	42752	Strand	-
Start	1	End	922
Name	OJ990416_01.9C03.C64.o1.np	Method	AAT/NAP
Start	1	End	922
GI	6691210	Score	342
Exons	1..35, 99..375, 476..638, 879..922		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20511	Seq. ID	OJ990416_01.9C03.C64
Gene No.	42752	Strand	-
Start	1	End	922
Name	OJ990416_01.9C03.C64.o1.tc	Method	TBLASTX:Cress
Start	97	End	622
GI	none	Score	73
Exons	97..396, 139..351, 143..400, 465..587, 479..622		

Seq. No.	20511	Seq. ID	OJ990416_01.9C03.C64
Gene No.	42752	Strand	-
Start	1	End	922
Name	OJ990416_01.9C03.C64.o1.tm	Method	TBLASTX:Maize
Start	97	End	626
GI	none	Score	273
Exons	97..393, 98..376, 474..527, 476..625, 479..625, 594..626		

Seq. No.	20511	Seq. ID	OJ990416_01.9C03.C64
Gene No.	42752	Strand	-
Start	1	End	922
Name	OJ990416_01.9C03.C64.o1.gs	Method	GENSCAN

Start	99	End	610
GI	none	Score	.77
Exons	99..375, 476..610		

Seq. No.	20511	Seq. ID	OJ990416_01.9C03.C64
Gene No.	42752	Strand	-
Start	1	End	922
Name	OJ990416_01.9C03.C64.o1.ts	Method	TBLASTX:Soybean
Start	133	End	628
GI	none	Score	65
Exons	133..261, 134..256, 265..399, 308..400, 479..628		

Seq. No.	20512	Seq. ID	OJ990416_01.9C03.C65
Gene No.	42753	Strand	-
Start	1127	End	2334
Name	OJ990416_01.9C03.C65.o1.gp	Method	AAT/GAP
Start	1076	End	2266
GI	13449_1.R1084	Score	1387
Exons	1076..1408, 1735..2011, 2117..2266		
GI Descrip.	'4314378/gb|AAD15588| 5.0e-55 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	20512	Seq. ID	OJ990416_01.9C03.C65
Gene No.	42753	Strand	-
Start	1127	End	2334
Name	OJ990416_01.9C03.C65.o1.tm	Method	TBLASTX:Maize
Start	1094	End	2273
GI	none	Score	124
Exons	1094..1123, 1127..1273, 1128..1274, 1263..1409, 1270..1410, 1733..2011, 1742..2011, 2115..2273, 2115..2168, 2117..2266, 2193..2267		

Seq. No.	20512	Seq. ID	OJ990416_01.9C03.C65
Gene No.	42753	Strand	-
Start	1127	End	2334
Name	OJ990416_01.9C03.C65.o1.gs	Method	GENSCAN
Start	1127	End	2251
GI	none	Score	.46
Exons	1127..1177, 1320..1408, 1735..2011, 2117..2251		

Seq. No.	20512	Seq. ID	OJ990416_01.9C03.C65
Gene No.	42753	Strand	-
Start	1127	End	2334
Name	OJ990416_01.9C03.C65.o1.np	Method	AAT/NAP
Start	1205	End	2279
GI	6691210	Score	459
Exons	1205..1407, 1731..2011, 2117..2279		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	20512	Seq. ID	OJ990416_01.9C03.C65
Gene No.	42753	Strand	-
Start	1127	End	2334
Name	OJ990416_01.9C03.C65.o1.tc	Method	TBLASTX:Cress
Start	1254	End	2334
GI	none	Score	86
Exons	1254..1397, 1733..2011, 1775..2008, 1779..2012, 2115..2228,		

2120..2263, 2272..2334

Seq. No.	20512	Seq. ID	OJ990416_01.9C03.C65
Gene No.	42753	Strand	-
Start	1127	End	2334
Name	OJ990416_01.9C03.C65.o1.ts	Method	TBLASTX:Soybean
Start	1769	End	2269
GI	none	Score	63
Exons	1769..1897, 1770..1892, 1901..2011, 1944..2036, 2120..2269		

Seq. No.	20513	Seq. ID	OJ990416_01.9C03.C66
Gene No.	42754	Strand	-
Start	1	End	970
Name	OJ990416_01.9C03.C66.o1.gp	Method	AAT/GAP
Start	1	End	476
GI	13449_1.R1084	Score	167
Exons	1..26, 343..476		
GI Descrip.	'4314378/gb|AAD15588| 5.0e-55 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	20513	Seq. ID	OJ990416_01.9C03.C66
Gene No.	42754	Strand	-
Start	1	End	970
Name	OJ990416_01.9C03.C66.o1.np	Method	AAT/NAP
Start	1	End	960
GI	5306262	Score	220
Exons	1..24, 345..569, 700..960		
GI Descrip.	(AC006233) putative lipase [Arabidopsis thaliana]		

Seq. No.	20513	Seq. ID	OJ990416_01.9C03.C66
Gene No.	42754	Strand	-
Start	1	End	970
Name	OJ990416_01.9C03.C66.o1.gs	Method	GENSCAN
Start	345	End	970
GI	none	Score	.89
Exons	345..569, 700..970		

Seq. No.	20513	Seq. ID	OJ990416_01.9C03.C66
Gene No.	42754	Strand	-
Start	1	End	970
Name	OJ990416_01.9C03.C66.o1.tm	Method	TBLASTX:Maize
Start	351	End	962
GI	none	Score	46
Exons	351..563, 358..570, 387..413, 389..469, 451..564, 527..571, 701..781, 702..782, 788..871, 795..962		

Seq. No.	20514	Seq. ID	OJ990726_04.9C03.C1
Gene No.	42755	Strand	+
Start	1	End	429
Name	OJ990726_04.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	429
GI	123650	Score	713
Exons	1..429		
GI Descrip.	HEAT SHOCK COGNATE 70 KD PROTEIN gi|82245|pir||S03250 heat shock protein 70 (clone pMON9743) - garden petunia gi|20557|emb|CAA30018| (X06932) heat shock protein 70 [Petunia x		

hybrida]

Seq. No.	20514	Seq. ID	OJ990726_04.9C03.C1
Gene No.	42755	Strand	+
Start	1	End	429
Name	OJ990726_04.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	429
GI	none	Score	699
Exons	1..429, 3..296, 284..325, 354..425		

Seq. No.	20514	Seq. ID	OJ990726_04.9C03.C1
Gene No.	42755	Strand	+
Start	1	End	429
Name	OJ990726_04.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	1	End	429
GI	none	Score	695
Exons	1..429, 3..425, 259..429		

Seq. No.	20514	Seq. ID	OJ990726_04.9C03.C1
Gene No.	42755	Strand	+
Start	1	End	429
Name	OJ990726_04.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	429
GI	none	Score	703
Exons	1..429, 3..428		

Seq. No.	20514	Seq. ID	OJ990726_04.9C03.C1
Gene No.	42755	Strand	+
Start	1	End	429
Name	OJ990726_04.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	429
GI	none	Score	709
Exons	1..429, 3..428, 259..429		

Seq. No.	20514	Seq. ID	OJ990726_04.9C03.C1
Gene No.	42755	Strand	+
Start	1	End	429
Name	OJ990726_04.9C03.C1.o1.gs	Method	GENSCAN
Start	91	End	414
GI	none	Score	.92
Exons	91..414		

Seq. No.	20514	Seq. ID	OJ990726_04.9C03.C1
Gene No.	42755	Strand	+
Start	1	End	429
Name	OJ990726_04.9C03.C1.o1.gp	Method	AAT/GAP
Start	168	End	429
GI	421_2.R1084	Score	443
Exons	168..429		
GI Descrip.	'3986110/dbj|BAA34919.1| 1.0e-147 (AB012716) heat shock protein 70 cognate [Salix gilgiana]'		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42756	Strand	+
Start	230	End	1963
Name	OJ990726_04.9C03.C2.o1.np	Method	AAT/NAP
Start	230	End	1094

GI	3236242	Score	235
Exons	230..331, 858..1094		
GI Descrip.	(AC004684) 60S ribosomal protein L36 [Arabidopsis thaliana]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42756	Strand	+
Start	230	End	1963
Name	OJ990726_04.9C03.C2.o1.gp	Method	AAT/GAP
Start	858	End	1963
GI	2311261	Score	487
Exons	858..1063, 1873..1963		
GI Descrip.	3236242 8.0e-15 (AC004684) putative ribosomal protein L36 [Arabidopsis thaliana]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42756	Strand	+
Start	230	End	1963
Name	OJ990726_04.9C03.C2.o1.gs	Method	GENSCAN
Start	858	End	1896
GI	none	Score	.99
Exons	858..1057, 1866..1896		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42757	Strand	+
Start	4791	End	9089
Name	OJ990726_04.9C03.C2.o2.gs	Method	GENSCAN
Start	4791	End	9089
GI	none	Score	.74
Exons	4791..4950, 5378..5468, 5791..5935, 6215..7504, 7585..7926, 8242..8325, 8405..8714, 8794..9089		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42758	Strand	+
Start	39109	End	40974
Name	OJ990726_04.9C03.C2.o2.gp	Method	AAT/GAP
Start	38668	End	38983
GI	LIB3474-011-P1-K1-C10	Score	592
Exons	38668..38983		
GI Descrip.	'3236240 2.0e-09 (AC004684) unknown protein [Arabidopsis thaliana]'		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42758	Strand	+
Start	39109	End	40974
Name	OJ990726_04.9C03.C2.o8.gs	Method	GENSCAN
Start	39109	End	40922
GI	none	Score	.73
Exons	39109..40617, 40679..40746, 40898..40922		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42758	Strand	+
Start	39109	End	40974
Name	OJ990726_04.9C03.C2.o3.gp	Method	AAT/GAP
Start	39145	End	39501
GI	571707	Score	692
Exons	39145..39501		
GI Descrip.	3236240 2.0e-09 (AC004684) unknown protein [Arabidopsis		

thaliana]

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42758	Strand	+
Start	39109	End	40974
Name	OJ990726_04.9C03.C2.o6.np	Method	AAT/NAP
Start	39166	End	40671
GI	3236240	Score	1483
Exons	39166..40671		
GI Descrip.	(AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42758	Strand	+
Start	39109	End	40974
Name	OJ990726_04.9C03.C2.o4.gp	Method	AAT/GAP
Start	40682	End	40974
GI	none	Score	586
Exons	40682..40974		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42759	Strand	+
Start	42185	End	43203
Name	OJ990726_04.9C03.C2.o6.gp	Method	AAT/GAP
Start	42185	End	43203
GI	421_2.R1084	Score	1489
Exons	42185..43203		
GI Descrip.	'3986110/dbj|BAA34919.1| 1.0e-147 (AB012716) heat shock protein 70 cognate [Salix gilgiana]'		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42760	Strand	+
Start	48476	End	48554
Name	OJ990726_04.9C03.C2.o9.np	Method	AAT/NAP
Start	48476	End	48554
GI	6630699	Score	83
Exons	48476..48554		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42761	Strand	-
Start	9487	End	16442
Name	OJ990726_04.9C03.C2.o2.np	Method	AAT/NAP
Start	9473	End	15758
GI	4544372	Score	1243
Exons	9473..11043, 11149..11549, 11610..12635, 15713..15758		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42761	Strand	-
Start	9487	End	16442
Name	OJ990726_04.9C03.C2.o3.gs	Method	GENSCAN
Start	9487	End	11280
GI	none	Score	.79
Exons	9487..10429, 10703..11280		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42761	Strand	-
Start	9487	End	16442
Name	OJ990726_04.9C03.C2.o4.gs	Method	GENSCAN
Start	11992	End	16442
GI	none	Score	.6
Exons	11992..12713, 13006..13380, 14011..14415, 14507..15118, 15379..15551, 15635..15764, 15818..16442		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42762	Strand	-
Start	20277	End	21365
Name	OJ990726_04.9C03.C2.o4.np	Method	AAT/NAP
Start	20277	End	21365
GI	6815053	Score	667
Exons	20277..20513, 20563..20718, 21219..21365		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42763	Strand	-
Start	23735	End	25160
Name	OJ990726_04.9C03.C2.o5.np	Method	AAT/NAP
Start	23735	End	25160
GI	5852084	Score	80
Exons	23735..23821, 25117..25160		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42764	Strand	-
Start	30133	End	33141
Name	OJ990726_04.9C03.C2.o6.gs	Method	GENSCAN
Start	30133	End	33141
GI	none	Score	.85
Exons	30133..30325, 31362..31459, 32729..32803, 33082..33141		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42765	Strand	-
Start	34087	End	34843
Name	OJ990726_04.9C03.C2.o7.gs	Method	GENSCAN
Start	34087	End	34843
GI	none	Score	.43
Exons	34087..34258, 34599..34843		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o4.tw	Method	TBLASTX:Wheat
Start	856	End	1058
GI	none	Score	300
Exons	856..1005, 857..1057, 858..1058		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o4.tc	Method	TBLASTX:Cress
Start	857	End	1058

GI	none	Score	277
Exons	857..1057, 858..1058		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o5.tm	Method	TBLASTX:Maize
Start	857	End	1060
GI	none	Score	310
Exons	857..1057, 858..1058, 866..1060		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o5.ts	Method	TBLASTX:Soybean
Start	857	End	1061
GI	none	Score	297
Exons	857..1057, 858..1058, 858..1061		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o9.ts	Method	TBLASTX:Soybean
Start	9462	End	9711
GI	none	Score	46
Exons	9462..9500, 9467..9568, 9559..9711, 9569..9697, 9577..9711		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o8.tw	Method	TBLASTX:Wheat
Start	9883	End	10297
GI	none	Score	62
Exons	9883..9972, 10027..10296, 10214..10297		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o6.ts	Method	TBLASTX:Soybean
Start	10054	End	10452
GI	none	Score	98
Exons	10054..10452, 10232..10348		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o8.tm	Method	TBLASTX:Maize
Start	10075	End	10455
GI	none	Score	86
Exons	10075..10299, 10297..10455		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o6.tw	Method	TBLASTX:Wheat
Start	10873	End	11271
GI	none	Score	41

Exons	10873..11142, 10895..11044, 11066..11131, 11182..11271		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o4.ts	Method	TBLASTX:Soybean
Start	10904	End	11316
GI	none	Score	141
Exons	10904..11158, 10906..11157, 11179..11316, 11183..11314		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o3.ts	Method	TBLASTX:Soybean
Start	11467	End	11937
GI	none	Score	85
Exons	11467..11655, 11480..11611, 11656..11937, 11762..11899		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o5.tw	Method	TBLASTX:Wheat
Start	11554	End	11935
GI	none	Score	39
Exons	11554..11637, 11558..11626, 11617..11934, 11621..11935		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	11623	End	12084
GI	none	Score	268
Exons	11623..12084, 11624..12082, 11803..12084		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o3.tw	Method	TBLASTX:Wheat
Start	11953	End	12357
GI	none	Score	245
Exons	11953..12297, 11953..12306, 11996..12298, 12301..12357, 12311..12352		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o6.tm	Method	TBLASTX:Maize
Start	12085	End	12303
GI	none	Score	212
Exons	12085..12303, 12086..12298		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o7.ts	Method	TBLASTX:Soybean
Start	12154	End	12519
GI	none	Score	73

Exons	12154..12288, 12295..12519, 12329..12508		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o10.ts	Method	TBLASTX:Soybean
Start	12929	End	13267
GI	none	Score	203
Exons	12929..13267		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o7.tm	Method	TBLASTX:Maize
Start	25716	End	25987
GI	none	Score	270
Exons	25716..25880, 25717..25884, 25738..25884, 25769..25888, 25949..25987		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o5.tc	Method	TBLASTX:Cress
Start	25717	End	25884
GI	none	Score	63
Exons	25717..25770, 25725..25748, 25768..25884, 25782..25880		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o8.ts	Method	TBLASTX:Soybean
Start	25722	End	25884
GI	none	Score	214
Exons	25722..25877, 25723..25884, 25738..25881		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o7.tw	Method	TBLASTX:Wheat
Start	38905	End	39216
GI	none	Score	151
Exons	38905..39009, 38907..39002, 39104..39199, 39109..39198, 39172..39216, 39174..39215		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	39345	End	40323
GI	none	Score	147
Exons	39345..39383, 39412..39549, 39429..39545, 39544..39981, 39545..39646, 39555..40052, 40062..40193, 40069..40185, 40210..40323, 40212..40319		
Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565

Name	OJ990726_04.9C03.C2.o2.tc	Method	TBLASTX:Cress
Start	39406	End	39894
GI	none	Score	154
Exons	39406..39561, 39450..39560, 39556..39831, 39558..39830, 39808..39894		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	+
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	39436	End	40674
GI	none	Score	790
Exons	39436..39972, 39444..39971, 39972..40046, 39987..40031, 40071..40160, 40072..40176, 40210..40638, 40227..40628, 40239..40643, 40639..40674		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	39642	End	40040
GI	none	Score	541
Exons	39642..39977, 39646..39978, 39999..40040, 40008..40040		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o3.tc	Method	TBLASTX:Cress
Start	40246	End	40638
GI	none	Score	435
Exons	40246..40599, 40248..40598, 40603..40638		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	40323	End	40641
GI	none	Score	394
Exons	40323..40631, 40324..40641		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o5.gp	Method	AAT/GAP
Start	42002	End	42643
GI	421_3.R1084	Score	1242
Exons	42002..42643		
GI Descrip.	'2290780 1.0e-48 (AF002667) heat shock cognate protein [Solanum commersonii]'		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	42132	End	45305
GI	none	Score	88
Exons	42132..42254, 42186..42218, 42257..42289, 42258..42305,		

42282..43922, 42283..42474, 42562..42984, 42798..43112,
43075..43923, 43630..43923, 45102..45305, 45103..45303,
45156..45305

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	42150	End	45305
GI	none	Score	134
Exons	42150..42305, 42183..43922, 42283..42474, 42562..42984, 42660..43112, 43075..43923, 45102..45305, 45103..45303, 45156..45305		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	42183	End	45305
GI	none	Score	60
Exons	42183..42218, 42219..42290, 42282..43922, 42385..42474, 42562..42984, 42660..43091, 43075..43923, 45102..45305, 45103..45303		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	42183	End	45306
GI	none	Score	64
Exons	42183..43922, 42186..42305, 42385..42474, 42562..42984, 42669..43091, 43075..43923, 45102..45305, 45103..45306		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o9.gs	Method	GENSCAN
Start	42186	End	50461
GI	none	Score	.75
Exons	42186..43921, 45101..45311, 45323..45800, 46116..46349, 46442..46520, 46551..46722, 46942..47112, 47747..47936, 48009..48041, 49504..49579, 50000..50185, 50389..50461		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o7.np	Method	AAT/NAP
Start	42189	End	45311
GI	2827002	Score	3137
Exons	42189..43921, 45101..45311		
GI Descrip.	(AF005993) HSP70 [Triticum aestivum]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o7.gp	Method	AAT/GAP
Start	43226	End	43573

GI	2428651	Score	672
Exons	43226..43573		
GI Descrip.	20559/emb|CAA31663| 7.0e-57 (X13301) hsp70 (AA 6 - 651) [Petunia x hybrida]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o8.gp	Method	AAT/GAP
Start	43524	End	45439
GI	360_10.R1084	Score	1251
Exons	43524..43921, 45101..45439		
GI Descrip.	'20559/emb|CAA31663| 7.0e-57 (X13301) hsp70 (AA 6 - 651) [Petunia x hybrida]'		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o8.np	Method	AAT/NAP
Start	46669	End	47249
GI	5042454	Score	178
Exons	46669..46729, 47073..47249		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20515	Seq. ID	OJ990726_04.9C03.C2
Gene No.	42766	Strand	-
Start	42186	End	50565
Name	OJ990726_04.9C03.C2.o10.np	Method	AAT/NAP
Start	48694	End	50565
GI	5922620	Score	305
Exons	48694..48917, 50118..50372, 50471..50565		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42767	Strand	+
Start	1573	End	1656
Name	OJ990726_04.9C03.C3.o2.np	Method	AAT/NAP
Start	1573	End	1656
GI	6630699	Score	88
Exons	1573..1656		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42768	Strand	+
Start	4254	End	5235
Name	OJ990726_04.9C03.C3.o4.np	Method	AAT/NAP
Start	4248	End	4994
GI	2501182	Score	844
Exons	4248..4994		
GI Descrip.	OSMOTIN-LIKE PROTEIN PRECURSOR gi|2129934|pir||JC5237 osmotin-like protein - tomato gi|1220537 (L76632) osmotin-like		

protein [Lycopersicon esculentum]

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42768	Strand	+
Start	4254	End	5235
Name	OJ990726_04.9C03.C3.o2.gs	Method	GENSCAN
Start	4254	End	4997
GI	none	Score	.98
Exons	4254..4997		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42768	Strand	+
Start	4254	End	5235
Name	OJ990726_04.9C03.C3.o1.gp	Method	AAT/GAP
Start	4718	End	5235
GI	23850_1.R1084	Score	968
Exons	4718..5235		
GI Descrip.	'3927827 4.0e-34 (AC005727) osmotin-like protein precursor [Arabidopsis thaliana]'		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42769	Strand	+
Start	11666	End	17802
Name	OJ990726_04.9C03.C3.o3.gp	Method	AAT/GAP
Start	11666	End	17802
GI	23929_1.R1084	Score	2011
Exons	11666..11913, 12033..12135, 15745..15842, 15927..16027, 16830..16907, 17347..17802		
GI Descrip.	'2624417/emb|CAA05772| 9.0e-82 (AJ002959) Ubiquitin carrier protein [Zea mays]'		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42769	Strand	+
Start	11666	End	17802
Name	OJ990726_04.9C03.C3.o5.np	Method	AAT/NAP
Start	11862	End	17421
GI	2624417	Score	707
Exons	11862..11913, 12033..12135, 15745..15842, 15927..16027, 16830..16907, 17347..17421		
GI Descrip.	(AJ002959) Ubiquitin carrier protein [Zea mays]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42770	Strand	+
Start	19959	End	20916
Name	OJ990726_04.9C03.C3.o4.gs	Method	GENSCAN
Start	19959	End	20916
GI	none	Score	.9
Exons	19959..20097, 20486..20916		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42770	Strand	+
Start	19959	End	20916
Name	OJ990726_04.9C03.C3.o6.np	Method	AAT/NAP
Start	20496	End	20913
GI	1346251	Score	618
Exons	20496..20913		
GI Descrip.	HISTONE H2B.4 gi|577819|emb|CAA49585| (X69961) H2B histone [Zea		

mays]

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42771	Strand	+
Start	30128	End	33830
Name	OJ990726_04.9C03.C3.o7.gs	Method	GENSCAN
Start	30128	End	32405
GI	none	Score	.95
Exons	30128..30359, 30477..30546, 30651..31439, 31460..31528, 32261..32405		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42771	Strand	+
Start	30128	End	33830
Name	OJ990726_04.9C03.C3.o9.np	Method	AAT/NAP
Start	30164	End	33830
GI	4063743	Score	258
Exons	30164..30369, 30463..30546, 30651..30752, 33715..33830		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42772	Strand	+
Start	35179	End	35391
Name	OJ990726_04.9C03.C3.o7.gp	Method	AAT/GAP
Start	35179	End	35391
GI	8022_1.R1084	Score	296
Exons	35179..35391		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42773	Strand	+
Start	38116	End	39590
Name	OJ990726_04.9C03.C3.o11.np	Method	AAT/NAP
Start	38116	End	39590
GI	401190	Score	161
Exons	38116..38280, 39569..39590		
GI Descrip.	THAUMATIN-LIKE PROTEIN PRECURSOR gi|100715|pir||S25551 thaumatin-like protein - rice gi|20376|emb|CAA48278| (X68197) thaumatin-like protein [Oryza sativa]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42774	Strand	+
Start	43742	End	43997
Name	OJ990726_04.9C03.C3.o11.gs	Method	GENSCAN
Start	43742	End	43997
GI	none	Score	.61
Exons	43742..43876, 43890..43997		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42775	Strand	+
Start	47595	End	50708
Name	OJ990726_04.9C03.C3.o12.gs	Method	GENSCAN
Start	47595	End	50708
GI	none	Score	.68
Exons	47595..47727, 49651..50708		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42776	Strand	-
Start	1	End	1518
Name	OJ990726_04.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	1518
GI	5922620	Score	315
Exons	1..308, 407..477, 1272..1296, 1342..1518		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42777	Strand	-
Start	1796	End	3566
Name	OJ990726_04.9C03.C3.o3.np	Method	AAT/NAP
Start	1796	End	3566
GI	5922620	Score	146
Exons	1796..1972, 3512..3566		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42778	Strand	-
Start	7735	End	7806
Name	OJ990726_04.9C03.C3.o2.gp	Method	AAT/GAP
Start	7735	End	7806
GI	LIB3477-003-P1-K1-E9	Score	87
Exons	7735..7806		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42779	Strand	-
Start	20398	End	29591
Name	OJ990726_04.9C03.C3.o4.gp	Method	AAT/GAP
Start	20398	End	21049
GI	705_4.R1084	Score	1165
Exons	20398..21049		
GI Descrip.	'629864/pir||S48838 1.0e-42 histone H2B - garden asparagus >gi_563329_emb_CAA57778_ (X82362) histone 2B [Asparagus officinalis]'		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42779	Strand	-
Start	20398	End	29591
Name	OJ990726_04.9C03.C3.o7.np	Method	AAT/NAP
Start	20851	End	25482
GI	4455294	Score	662
Exons	20851..20915, 22107..23025, 23119..23453, 25461..25482		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42779	Strand	-
Start	20398	End	29591
Name	OJ990726_04.9C03.C3.o5.gs	Method	GENSCAN
Start	22069	End	23439
GI	none	Score	.98
Exons	22069..23439		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42779	Strand	-
Start	20398	End	29591
Name	OJ990726_04.9C03.C3.o6.gs	Method	GENSCAN
Start	23997	End	29591
GI	none	Score	.66
Exons	23997..24287, 24795..24907, 25466..25599, 25970..26047, 26295..26386, 27262..27312, 27409..27463, 27552..27609, 28304..28362, 28441..28545, 28861..29140, 29582..29591		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42779	Strand	-
Start	20398	End	29591
Name	OJ990726_04.9C03.C3.o8.np	Method	AAT/NAP
Start	24727	End	27616
GI	5913933	Score	121
Exons	24727..24771, 25963..26047, 26295..26370, 27246..27312, 27409..27463, 27552..27616		
GI Descrip.	(AB032408) ribosomal protein L17 [Shewanella violacea]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42779	Strand	-
Start	20398	End	29591
Name	OJ990726_04.9C03.C3.o5.gp	Method	AAT/GAP
Start	25192	End	26399
GI	10810_1.R1084	Score	1012
Exons	25192..25570, 25970..26047, 26295..26399		
GI Descrip.	'4512432/dbj|BAA75299.1| 6.0e-11 (AB017508) rplQ homologue (identity of 84% to B. subtilis) [Bacillus halodurans]'		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42780	Strand	-
Start	33274	End	33841
Name	OJ990726_04.9C03.C3.o10.np	Method	AAT/NAP
Start	33256	End	33792
GI	2346976	Score	212
Exons	33256..33792		
GI Descrip.	(AB006600) ZPT2-13 [Petunia x hybrida]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42780	Strand	-
Start	33274	End	33841
Name	OJ990726_04.9C03.C3.o8.gs	Method	GENSCAN
Start	33274	End	33753
GI	none	Score	.93
Exons	33274..33753		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42780	Strand	-

Start	33274	End	33841
Name	OJ990726_04.9C03.C3.o6.gp	Method	AAT/GAP
Start	33321	End	33841
GI	5607479	Score	995
Exons	33321..33841		
GI Descrip.	2346976/dbj|BAA21922| 4.0e-13 (AB006600) ZPT2-13 [Petunia x hybrida]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42781	Strand	-
Start	39476	End	41135
Name	OJ990726_04.9C03.C3.o12.np	Method	AAT/NAP
Start	39476	End	41135
GI	5257270	Score	757
Exons	39476..39692, 39997..40101, 40129..40429, 41016..41135		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42781	Strand	-
Start	39476	End	41135
Name	OJ990726_04.9C03.C3.o10.gs	Method	GENSCAN
Start	40816	End	41108
GI	none	Score	.64
Exons	40816..40978, 41062..41108		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	4251	End	5054
GI	none	Score	76
Exons	4251..4325, 4253..4306, 4269..4385, 4308..5024, 4316..5023, 5016..5054		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	4320	End	4997
GI	none	Score	300
Exons	4320..4622, 4340..4498, 4529..4630, 4623..4925, 4682..4921, 4934..4996, 4935..4997		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	4332	End	4817
GI	none	Score	307
Exons	4332..4628, 4334..4624, 4614..4781, 4682..4780, 4778..4816, 4779..4817		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o6.tw	Method	TBLASTX:Wheat
Start	4778	End	4991

GI	none	Score	189
Exons	4778..4933, 4779..4991		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o5.tm	Method	TBLASTX:Maize
Start	11861	End	17581
GI	none	Score	175
Exons	11861..11908, 12031..12144, 12032..12133, 12034..12135, 15733..15840, 15746..15841, 15746..15850, 15908..16027, 15926..16042, 15927..16034, 16006..16065, 16828..16902, 16829..16906, 16830..16907, 17341..17427, 17346..17429, 17347..17424, 17516..17581		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o4.ts	Method	TBLASTX:Soybean
Start	11880	End	17424
GI	none	Score	160
Exons	11880..11918, 12031..12150, 12032..12148, 15733..15837, 15737..15841, 15746..15841, 15771..15842, 15926..16042, 15936..16025, 15937..16044, 16829..16906, 16830..16907, 17320..17424, 17325..17423, 17335..17424		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o4.tc	Method	TBLASTX:Cress
Start	11882	End	17439
GI	none	Score	166
Exons	11882..11908, 12031..12150, 12032..12148, 15733..15837, 15737..15850, 15746..15841, 15908..16045, 15926..16030, 15937..16065, 16829..16921, 16830..16898, 17299..17439		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	12082	End	16908
GI	none	Score	89
Exons	12082..12144, 12083..12133, 15733..15837, 15746..15841, 15746..15850, 15926..16042, 15926..16027, 15927..16028, 15928..16044, 16828..16908, 16829..16906, 16830..16907		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	20638	End	20913
GI	none	Score	160
Exons	20638..20745, 20638..20910, 20640..20909, 20640..20747, 20655..20747, 20836..20913		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-

Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	20638	End	20940
GI	none	Score	444
Exons	20638..20940, 20640..20936		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o4.tm	Method	TBLASTX:Maize
Start	20638	End	20934
GI	none	Score	452
Exons	20638..20934, 20640..20906		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	20638	End	20916
GI	none	Score	438
Exons	20638..20916, 20640..20906		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o5.tc	Method	TBLASTX:Cress
Start	22090	End	22509
GI	none	Score	239
Exons	22090..22509		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o6.tm	Method	TBLASTX:Maize
Start	22111	End	23463
GI	none	Score	60
Exons	22111..22509, 22382..22510, 22549..22806, 22562..22720, 22576..22728, 22612..22818, 22621..22911, 22633..22806, 22912..23064, 22948..23052, 23023..23331, 23041..23271, 23050..23397, 23251..23463		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o3.ts	Method	TBLASTX:Soybean
Start	22114	End	22638
GI	none	Score	47
Exons	22114..22638, 22127..22207, 22322..22531		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o3.tw	Method	TBLASTX:Wheat
Start	22501	End	23373
GI	none	Score	52
Exons	22501..22971, 22562..22618, 22655..22819, 22861..23121, 22862..22954, 23026..23373		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o3.tc	Method	TBLASTX:Cress
Start	22561	End	23463
GI	none	Score	107
Exons	22561..22770, 22642..23064, 22642..23322, 22654..22863, 22664..23119, 22939..23109, 23008..23463		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o9.ts	Method	TBLASTX:Soybean
Start	22642	End	23335
GI	none	Score	81
Exons	22642..22938, 22873..23130, 22925..23080, 23047..23334, 23048..23215, 23249..23335		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o9.tm	Method	TBLASTX:Maize
Start	25417	End	27745
GI	none	Score	200
Exons	25417..25569, 25418..25570, 25418..25573, 25446..25571, 25969..26058, 25970..26065, 26294..26386, 26295..26387, 26296..26388, 26296..26430, 27262..27315, 27263..27313, 27403..27465, 27407..27466, 27409..27465, 27530..27616, 27552..27617, 27552..27617, 27677..27745		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o6.ts	Method	TBLASTX:Soybean
Start	30268	End	30708
GI	none	Score	133
Exons	30268..30354, 30269..30358, 30277..30360, 30449..30547, 30476..30547, 30637..30708, 30651..30707		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o6.tc	Method	TBLASTX:Cress
Start	30269	End	30735
GI	none	Score	119
Exons	30269..30358, 30476..30547, 30637..30717, 30703..30735		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o11.tm	Method	TBLASTX:Maize
Start	33394	End	33661
GI	none	Score	66
Exons	33394..33516, 33440..33493, 33587..33661, 33592..33660		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3

Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o8.tc	Method	TBLASTX:Cress
Start	33406	End	33823
GI	none	Score	66
Exons	33406..33504, 33433..33510, 33434..33490, 33574..33660, 33581..33661, 33752..33823		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o8.ts	Method	TBLASTX:Soybean
Start	33433	End	33655
GI	none	Score	86
Exons	33433..33516, 33433..33510, 33434..33502, 33577..33654, 33599..33655		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o10.tm	Method	TBLASTX:Maize
Start	38105	End	38279
GI	none	Score	108
Exons	38105..38242, 38105..38143, 38122..38241, 38231..38278, 38232..38279		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	49656	End	50019
GI	none	Score	467
Exons	49656..50018, 49661..50014, 49671..50018, 49927..50019		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o5.ts	Method	TBLASTX:Soybean
Start	49671	End	50471
GI	none	Score	67
Exons	49671..49772, 49803..49934, 49950..50054, 50115..50243, 50286..50471		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o5.tw	Method	TBLASTX:Wheat
Start	49788	End	50402
GI	none	Score	67
Exons	49788..49934, 49814..49879, 49952..50053, 49953..50054, 50115..50255, 50283..50402		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	50060	End	50411

GI	none	Score	334
Exons	50060..50284, 50061..50285, 50276..50410, 50280..50411		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o8.tm	Method	TBLASTX:Maize
Start	50426	End	50678
GI	none	Score	269
Exons	50426..50620, 50427..50678		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o14.np	Method	AAT/NAP
Start	51346	End	53073
GI	6681338	Score	454
Exons	51346..51500, 51932..52009, 52114..52261, 52905..53073		
GI Descrip.	(AC015985) putative coatomer zeta subunit (zeta-coat protein) [Arabidopsis thaliana] gi|6682256|gb|AAF23308.1|AC016661_33 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o7.tm	Method	TBLASTX:Maize
Start	51357	End	53072
GI	none	Score	83
Exons	51357..51500, 51401..51499, 51426..51503, 51922..52053, 51923..52021, 51931..52047, 52076..52258, 52086..52259, 52113..52259, 52114..52266, 52888..53061, 52900..53064, 52901..53065, 52911..53072, 52940..53071		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o13.gs	Method	GENSCAN
Start	51389	End	55107
GI	none	Score	.77
Exons	51389..51500, 51932..52009, 52114..52261, 52905..53064, 53318..53398, 54994..55107		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o8.gp	Method	AAT/GAP
Start	51436	End	53378
GI	uC-osf1M202048g08b1	Score	861
Exons	51436..51500, 51932..52009, 52114..52261, 52905..53064, 53318..53378		
GI Descrip.	'3377820 5.0e-42 (AF076275) contains similarity to coatomer zeta chains [Arabidopsis thaliana]'		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o7.ts	Method	TBLASTX:Soybean

Start	51922	End	53067
GI	none	Score	68
Exons	51922..52053, 51924..51998, 51932..52063, 52113..52259, 52114..52224, 52136..52264, 52888..53067, 52901..53056		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o7.tc	Method	TBLASTX:Cress
Start	52113	End	53065
GI	none	Score	98
Exons	52113..52262, 52113..52259, 52114..52266, 52888..53064, 52901..53065		

Seq. No.	20516	Seq. ID	OJ990726_04.9C03.C3
Gene No.	42782	Strand	-
Start	51389	End	55107
Name	OJ990726_04.9C03.C3.o4.tw	Method	TBLASTX:Wheat
Start	52161	End	53072
GI	none	Score	77
Exons	52161..52220, 52165..52221, 52224..52259, 52888..53067, 52901..53065, 52980..53072		

Seq. No.	20517	Seq. ID	OJ990706_07.9C03.C1
Gene No.	42783	Strand	-
Start	1	End	844
Name	OJ990706_07.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	844
GI	6815107	Score	440
Exons	1..688, 730..844		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	20517	Seq. ID	OJ990706_07.9C03.C1
Gene No.	42783	Strand	-
Start	1	End	844
Name	OJ990706_07.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	3	End	401
GI	none	Score	147
Exons	3..110, 117..401		

Seq. No.	20517	Seq. ID	OJ990706_07.9C03.C1
Gene No.	42783	Strand	-
Start	1	End	844
Name	OJ990706_07.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	15	End	576
GI	none	Score	89
Exons	15..119, 111..575, 255..575, 370..576		

Seq. No.	20517	Seq. ID	OJ990706_07.9C03.C1
Gene No.	42783	Strand	-
Start	1	End	844
Name	OJ990706_07.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	252	End	635
GI	none	Score	156
Exons	252..575, 252..635, 382..606		

Seq. No.	20517	Seq. ID	OJ990706_07.9C03.C1
Gene No.	42783	Strand	-
Start	1	End	844
Name	OJ990706_07.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	318	End	677
GI	none	Score	82
Exons	318..677, 319..537		

Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42784	Strand	+
Start	545	End	2027
Name	OJ990706_07.9C03.C5.o1.gs	Method	GENSCAN
Start	545	End	2027
GI	none	Score	.44
Exons	545..596, 1564..1665, 1984..2027		

Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42785	Strand	+
Start	3991	End	4265
Name	OJ990706_07.9C03.C5.o1.gp	Method	AAT/GAP
Start	3991	End	4265
GI	3551786	Score	503
Exons	3991..4265		

Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42786	Strand	+
Start	5146	End	22846
Name	OJ990706_07.9C03.C5.o1.np	Method	AAT/NAP
Start	5146	End	22846
GI	6539588	Score	114
Exons	5146..5392, 14020..14121, 22808..22846		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42787	Strand	+
Start	24024	End	27403
Name	OJ990706_07.9C03.C5.o2.np	Method	AAT/NAP
Start	24024	End	27403
GI	6714358	Score	75
Exons	24024..24140, 24749..24958, 27375..27403		
GI Descrip.	(AC012562) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42787	Strand	+
Start	24024	End	27403
Name	OJ990706_07.9C03.C5.o6.gs	Method	GENSCAN
Start	25430	End	27001
GI	none	Score	.77
Exons	25430..25522, 25598..25873, 25889..25930, 26012..26209, 26286..26414, 26498..26628, 26711..26786, 26867..27001		

Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42788	Strand	-
Start	4657	End	10892
Name	OJ990706_07.9C03.C5.o2.gs	Method	GENSCAN
Start	4657	End	10892
GI	none	Score	.49

Exons	4657..4769, 5257..5418, 8747..8885, 9978..10260, 10546..10892		
Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42789	Strand	-
Start	11777	End	14300
Name	OJ990706_07.9C03.C5.o3.gs	Method	GENSCAN
Start	11777	End	14300
GI	none	Score	.69
Exons	11777..11901, 12631..12745, 14208..14300		
Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42790	Strand	-
Start	16355	End	16654
Name	OJ990706_07.9C03.C5.o4.gs	Method	GENSCAN
Start	16355	End	16654
GI	none	Score	.46
Exons	16355..16654		
Seq. No.	20518	Seq. ID	OJ990706_07.9C03.C5
Gene No.	42791	Strand	-
Start	17090	End	24239
Name	OJ990706_07.9C03.C5.o5.gs	Method	GENSCAN
Start	17090	End	24239
GI	none	Score	.87
Exons	17090..17116, 17799..17846, 18336..18372, 18514..18572, 18771..18944, 19010..19183, 20396..20503, 21527..21658, 21733..21921, 21999..22168, 22199..22318, 22400..22498, 22563..22716, 22794..22892, 22971..23168, 23247..23360, 23444..23581, 23670..24239		
Seq. No.	20519	Seq. ID	OJ990706_07.9C03.C6
Gene No.	42792	Strand	+
Start	3016	End	3824
Name	OJ990706_07.9C03.C6.o2.gs	Method	GENSCAN
Start	3016	End	3824
GI	none	Score	.66
Exons	3016..3034, 3175..3291, 3360..3388, 3609..3824		
Seq. No.	20519	Seq. ID	OJ990706_07.9C03.C6
Gene No.	42793	Strand	+
Start	3914	End	4046
Name	OJ990706_07.9C03.C6.o1.gp	Method	AAT/GAP
Start	3914	End	4046
GI	12420_1.R1084	Score	207
Exons	3914..4046		
GI Descrip.	'4586449/dbj|BAA76393.1| 1.0e-35 (AB025187) cytochrome c oxidase subunit 6b-1 [Oryza sativa]'		
Seq. No.	20519	Seq. ID	OJ990706_07.9C03.C6
Gene No.	42794	Strand	-
Start	779	End	3742
Name	OJ990706_07.9C03.C6.o1.gs	Method	GENSCAN
Start	779	End	2797
GI	none	Score	.81
Exons	779..2797		
Seq. No.	20519	Seq. ID	OJ990706_07.9C03.C6

Gene No.	42794	Strand	-
Start	779	End	3742
Name	OJ990706_07.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	1598	End	2002
GI	none	Score	107
Exons	1598..1807, 1850..2002		

Seq. No.	20519	Seq. ID	OJ990706_07.9C03.C6
Gene No.	42794	Strand	-
Start	779	End	3742
Name	OJ990706_07.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	1613	End	2131
GI	none	Score	73
Exons	1613..1795, 1826..2122, 1850..2131		

Seq. No.	20519	Seq. ID	OJ990706_07.9C03.C6
Gene No.	42794	Strand	-
Start	779	End	3742
Name	OJ990706_07.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	1850	End	2173
GI	none	Score	299
Exons	1850..2173		

Seq. No.	20519	Seq. ID	OJ990706_07.9C03.C6
Gene No.	42794	Strand	-
Start	779	End	3742
Name	OJ990706_07.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	1895	End	2266
GI	none	Score	208
Exons	1895..2266		

Seq. No.	20519	Seq. ID	OJ990706_07.9C03.C6
Gene No.	42794	Strand	-
Start	779	End	3742
Name	OJ990706_07.9C03.C6.o2.np	Method	AAT/NAP
Start	2609	End	3742
GI	1084404	Score	110
Exons	2609..2824, 3713..3742		
GI Descrip.	hypothetical protein - tomato gi|667069 (L22186) ORF [Lycopersicon esculentum]		

Seq. No.	20520	Seq. ID	OJ990706_07.9C03.C8
Gene No.	42795	Strand	+
Start	16090	End	19474
Name	OJ990706_07.9C03.C8.o4.gs	Method	GENSCAN
Start	16090	End	19172
GI	none	Score	.75
Exons	16090..16221, 16337..16826, 17669..17980, 18305..18581, 18749..19172		

Seq. No.	20520	Seq. ID	OJ990706_07.9C03.C8
Gene No.	42795	Strand	+
Start	16090	End	19474
Name	OJ990706_07.9C03.C8.o1.np	Method	AAT/NAP
Start	16629	End	19121
GI	4538896	Score	1259
Exons	16629..16995, 17435..18018, 18079..19121		

GI Descrip. (AL049482) putative protein [Arabidopsis thaliana]

Seq. No.	20520	Seq. ID	OJ990706_07.9C03.C8
Gene No.	42795	Strand	+
Start	16090	End	19474
Name	OJ990706_07.9C03.C8.o1.gp	Method	AAT/GAP
Start	16707	End	19474
GI	LIB3431-028-P1-K1-F4	Score	848
Exons	16707..16826, 18476..18690, 19251..19306, 19396..19474		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	20520	Seq. ID	OJ990706_07.9C03.C8
Gene No.	42796	Strand	-
Start	4303	End	5473
Name	OJ990706_07.9C03.C8.o2.gs	Method	GENSCAN
Start	4303	End	5473
GI	none	Score	.93
Exons	4303..4527, 5432..5473		

Seq. No.	20520	Seq. ID	OJ990706_07.9C03.C8
Gene No.	42797	Strand	
Start	17787	End	18057
Name	OJ990706_07.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	17787	End	18057
GI	none	Score	331
Exons	17787..18056, 17788..18057		

Seq. No.	20520	Seq. ID	OJ990706_07.9C03.C8
Gene No.	42798	Strand	
Start	18795	End	19220
Name	OJ990706_07.9C03.C8.o2.tm	Method	TBLASTX:Maize
Start	18795	End	19220
GI	none	Score	206
Exons	18795..19025, 18821..18904, 18989..19219, 19089..19220		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42799	Strand	+
Start	759	End	3800
Name	OJ990706_07.9C03.C10.o1.gs	Method	GENSCAN
Start	759	End	2897
GI	none	Score	.83
Exons	759..867, 1960..2026, 2138..2381, 2765..2897		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42799	Strand	+
Start	759	End	3800
Name	OJ990706_07.9C03.C10.o3.np	Method	AAT/NAP
Start	2074	End	3800
GI	5922620	Score	326
Exons	2074..2117, 2273..2439, 3269..3800		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42800	Strand	+
Start	9223	End	11163
Name	OJ990706_07.9C03.C10.o4.gs	Method	GENSCAN
Start	9223	End	11163
GI	none	Score	.67
Exons	9223..9237, 9491..9578, 9620..9905, 9973..10051, 10993..11163		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42801	Strand	+
Start	11707	End	11865
Name	OJ990706_07.9C03.C10.o5.gs	Method	GENSCAN
Start	11707	End	11865
GI	none	Score	.98
Exons	11707..11865		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42802	Strand	-
Start	1395	End	1808
Name	OJ990706_07.9C03.C10.o1.np	Method	AAT/NAP
Start	1395	End	1808
GI	6539570	Score	159
Exons	1395..1461, 1608..1808		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42803	Strand	-
Start	1937	End	2011
Name	OJ990706_07.9C03.C10.o2.np	Method	AAT/NAP
Start	1937	End	2011
GI	6630699	Score	69
Exons	1937..2011		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42804	Strand	-
Start	3141	End	3984
Name	OJ990706_07.9C03.C10.o2.gs	Method	GENSCAN
Start	3141	End	3984
GI	none	Score	.9
Exons	3141..3331, 3361..3463, 3465..3510, 3659..3804, 3961..3984		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42805	Strand	-
Start	5474	End	8673
Name	OJ990706_07.9C03.C10.o3.gs	Method	GENSCAN
Start	5474	End	8673
GI	none	Score	.71
Exons	5474..5992, 6987..7088, 7191..7283, 7357..7569, 7654..7907, 8151..8316, 8461..8673		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134

Name	OJ990706_07.9C03.C10.o4.tm	Method	TBLASTX:Maize
Start	7354	End	7773
GI	none	Score	101
Exons	7354..7572, 7358..7531, 7687..7773		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o6.gs	Method	GENSCAN
Start	12573	End	16080
GI	none	Score	.54
Exons	12573..12679, 12781..13192, 13442..13529, 13657..15350, 15358..16080		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	12914	End	14234
GI	none	Score	104
Exons	12914..13003, 13049..13099, 13088..13195, 13818..14234, 13864..14067		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o5.tm	Method	TBLASTX:Maize
Start	13061	End	13667
GI	none	Score	50
Exons	13061..13084, 13097..13144, 13139..13201, 13158..13199, 13198..13263, 13202..13252, 13249..13332, 13439..13522, 13614..13667		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o5.np	Method	AAT/NAP
Start	13785	End	16134
GI	5911167	Score	1503
Exons	13785..16134		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	13875	End	14370
GI	none	Score	403
Exons	13875..14369, 13876..14370		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	13923	End	14312
GI	none	Score	125
Exons	13923..14165, 13924..14118, 14178..14312, 14200..14280		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o2.tm	Method	TBLASTX:Maize
Start	14400	End	14862
GI	none	Score	159
Exons	14400..14627, 14403..14570, 14404..14580, 14602..14862, 14610..14861		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	14977	End	15278
GI	none	Score	107
Exons	14977..15264, 15018..15278		

Seq. No.	20521	Seq. ID	OJ990706_07.9C03.C10
Gene No.	42806	Strand	-
Start	12573	End	16134
Name	OJ990706_07.9C03.C10.o3.tm	Method	TBLASTX:Maize
Start	15018	End	15484
GI	none	Score	189
Exons	15018..15320, 15018..15335, 15019..15324, 15327..15365, 15337..15360, 15361..15477, 15361..15483, 15374..15484		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42807	Strand	+
Start	3817	End	6118
Name	OJ990706_07.9C03.C11.o1.np	Method	AAT/NAP
Start	3817	End	6118
GI	6815107	Score	720
Exons	3817..4966, 5084..5235, 5487..6118		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42807	Strand	+
Start	3817	End	6118
Name	OJ990706_07.9C03.C11.o2.np	Method	AAT/NAP
Start	3821	End	5961
GI	4467124	Score	756
Exons	3821..5961		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42808	Strand	+
Start	12410	End	13727
Name	OJ990706_07.9C03.C11.o4.gs	Method	GENSCAN
Start	12410	End	13727
GI	none	Score	.78
Exons	12410..12524, 12530..12672, 13605..13727		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42809	Strand	+
Start	19364	End	27952

Name	OJ990706_07.9C03.C11.o5.gs	Method	GENSCAN
Start	19364	End	27057
GI	none	Score	.47
Exons	19364..19502, 19623..19665, 20801..20945, 21833..22897, 23024..23527, 23536..23782, 23936..24155, 24175..24218, 24236..24827, 24924..26082, 26203..27057		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42809	Strand	+
Start	19364	End	27952
Name	OJ990706_07.9C03.C11.o5.np	Method	AAT/NAP
Start	21881	End	27952
GI	5922631	Score	6493
Exons	21881..22005, 22263..22507, 22767..22966, 23012..23589, 23632..23782, 23909..24835, 25442..27952		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42809	Strand	+
Start	19364	End	27952
Name	OJ990706_07.9C03.C11.o6.gs	Method	GENSCAN
Start	27451	End	27927
GI	none	Score	.79
Exons	27451..27927		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42810	Strand	-
Start	865	End	1425
Name	OJ990706_07.9C03.C11.o1.gp	Method	AAT/GAP
Start	865	End	1425
GI	4879016	Score	882
Exons	865..1425		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42811	Strand	-
Start	6812	End	10858
Name	OJ990706_07.9C03.C11.o3.np	Method	AAT/NAP
Start	6742	End	7150
GI	6539570	Score	169
Exons	6742..6811, 6957..7150		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42811	Strand	-
Start	6812	End	10858
Name	OJ990706_07.9C03.C11.o3.gs	Method	GENSCAN
Start	6812	End	10858
GI	none	Score	.5

Exons	6812..6885, 6961..7064, 8973..9060, 9320..9356, 9977..10179, 10432..10448, 10569..10858		
Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42811	Strand	-
Start	6812	End	10858
Name	OJ990706_07.9C03.C11.o4.np	Method	AAT/NAP
Start	7286	End	7362
GI	6630699	Score	83
Exons	7286..7362		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o5.tm	Method	TBLASTX:Maize
Start	3793	End	4177
GI	none	Score	173
Exons	3793..3981, 3809..4000, 4013..4177, 4024..4176		
Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	4349	End	4708
GI	none	Score	205
Exons	4349..4708, 4489..4707		
Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o4.tm	Method	TBLASTX:Maize
Start	4391	End	4774
GI	none	Score	273
Exons	4391..4774, 4420..4644, 4451..4774		
Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	4450	End	5011
GI	none	Score	268
Exons	4450..4656, 4451..4915, 4451..4771, 4907..5011		
Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o9.tw	Method	TBLASTX:Wheat
Start	4625	End	5041
GI	none	Score	147
Exons	4625..4909, 4916..5041		
Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197

Name	OJ990706_07.9C03.C11.o8.tm	Method	TBLASTX:Maize
Start	9658	End	11251
GI	none	Score	207
Exons	9658..9819, 9662..9880, 11097..11156, 11204..11251		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o6.tm	Method	TBLASTX:Maize
Start	20330	End	20873
GI	none	Score	104
Exons	20330..20527, 20585..20746, 20736..20873		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o11.tw	Method	TBLASTX:Wheat
Start	20739	End	21116
GI	none	Score	180
Exons	20739..21116		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o8.tw	Method	TBLASTX:Wheat
Start	23168	End	23442
GI	none	Score	213
Exons	23168..23440, 23197..23436, 23221..23442		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	24175	End	24972
GI	none	Score	130
Exons	24175..24351, 24396..24632, 24400..24630, 24679..24972, 24807..24968		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o7.tw	Method	TBLASTX:Wheat
Start	24973	End	25206
GI	none	Score	271
Exons	24973..25206, 24993..25205, 24994..25206		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	24982	End	25338
GI	none	Score	361
Exons	24982..25338, 25023..25328		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197

Name	OJ990706_07.9C03.C11.o2.tw	Method	TBLASTX:Wheat
Start	25207	End	25626
GI	none	Score	445
Exons	25207..25626, 25207..25422, 25209..25625		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	25471	End	25902
GI	none	Score	294
Exons	25471..25902, 25518..25661, 25540..25815, 25698..25868		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	25569	End	26013
GI	none	Score	294
Exons	25569..25823, 25570..25824, 25570..25827, 25845..25976, 25846..25989, 25987..26013		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o3.tw	Method	TBLASTX:Wheat
Start	25671	End	26100
GI	none	Score	419
Exons	25671..26099, 25672..26100		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o3.ts	Method	TBLASTX:Soybean
Start	26128	End	26516
GI	none	Score	69
Exons	26128..26232, 26268..26348, 26272..26514, 26397..26516		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o5.tw	Method	TBLASTX:Wheat
Start	26137	End	26559
GI	none	Score	120
Exons	26137..26247, 26139..26483, 26278..26559		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o9.tm	Method	TBLASTX:Maize
Start	26191	End	26463
GI	none	Score	126
Exons	26191..26361, 26365..26463		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197

Name	OJ990706_07.9C03.C11.o10.tw	Method	TBLASTX:Wheat
Start	26575	End	26874
GI	none	Score	131
Exons	26575..26709, 26578..26715, 26749..26874		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	26872	End	27235
GI	none	Score	80
Exons	26872..26952, 26933..27196, 26953..27195, 27191..27235		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o6.tw	Method	TBLASTX:Wheat
Start	26878	End	27267
GI	none	Score	76
Exons	26878..26940, 26933..27265, 26935..27189, 27134..27265, 27220..27267		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o4.tw	Method	TBLASTX:Wheat
Start	27360	End	27912
GI	none	Score	374
Exons	27360..27467, 27361..27852, 27516..27623, 27838..27912		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o7.tm	Method	TBLASTX:Maize
Start	27682	End	27914
GI	none	Score	164
Exons	27682..27855, 27795..27854, 27834..27914, 27835..27912		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o6.np	Method	AAT/NAP
Start	28325	End	30197
GI	6691716	Score	1129
Exons	28325..28773, 28847..28969, 29119..29214, 29289..29476, 29554..29729, 29806..29912, 29995..30197		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20522	Seq. ID	OJ990706_07.9C03.C11
Gene No.	42812	Strand	-
Start	28325	End	30197
Name	OJ990706_07.9C03.C11.o7.gs	Method	GENSCAN
Start	28430	End	30055
GI	none	Score	.8
Exons	28430..28773, 28847..28964, 29289..29355, 29398..29476,		

29554..30055

Seq. No.	20523	Seq. ID	OJ990616_09.9C01.C3
Gene No.	42814	Strand	-
Start	955	End	1947
Name	OJ990616_09.9C01.C3.o1.gs	Method	GENSCAN
Start	955	End	1947
GI	none	Score	.99
Exons	955..1947		

Seq. No.	20523	Seq. ID	OJ990616_09.9C01.C3
Gene No.	42814	Strand	-
Start	955	End	1947
Name	OJ990616_09.9C01.C3.o1.np	Method	AAT/NAP
Start	958	End	1947
GI	6539556	Score	775
Exons	958..1718, 1782..1947		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa] gi|6539593|dbj|BAA88209.1| (AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20524	Seq. ID	OJ990616_09.9C01.C4
Gene No.	42815	Strand	+
Start	126	End	912
Name	OJ990616_09.9C01.C4.o1.gs	Method	GENSCAN
Start	126	End	912
GI	none	Score	.59
Exons	126..279, 361..624, 866..912		

Seq. No.	20525	Seq. ID	OJ990616_09.9C01.C5
Gene No.	42816	Strand	-
Start	676	End	1539
Name	OJ990616_09.9C01.C5.o1.np	Method	AAT/NAP
Start	676	End	1539
GI	464986	Score	119
Exons	676..847, 1480..1539		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) gi|421857|pir||S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana gi|297884|emb|CAA78714| (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] gi|349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis thaliana] gi|60		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42817	Strand	+
Start	424	End	509
Name	OJ990616_09.9C01.C6.o1.gs	Method	GENSCAN
Start	424	End	509
GI	none	Score	.61
Exons	424..509		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42818	Strand	+
Start	1862	End	2251
Name	OJ990616_09.9C01.C6.o1.gp	Method	AAT/GAP
Start	1862	End	2251

GI	LIB3433-016-Q6-K6-G7	Score	281
Exons	1862..1886, 2037..2251		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42819	Strand	+
Start	16549	End	17941
Name	OJ990616_09.9C01.C6.o2.np	Method	AAT/NAP
Start	16549	End	17923
GI	6665552	Score	665
Exons	16549..16783, 17376..17923		
GI Descrip.	(AC013289) putative sterol desaturase [Arabidopsis thaliana]		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42819	Strand	+
Start	16549	End	17941
Name	OJ990616_09.9C01.C6.o3.gs	Method	GENSCAN
Start	16549	End	17941
GI	none	Score	.89
Exons	16549..16779, 17029..17223, 17321..17941		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42820	Strand	+
Start	23246	End	23629
Name	OJ990616_09.9C01.C6.o6.gs	Method	GENSCAN
Start	23246	End	23629
GI	none	Score	.77
Exons	23246..23303, 23508..23629		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42821	Strand	-
Start	3190	End	15233
Name	OJ990616_09.9C01.C6.o2.gs	Method	GENSCAN
Start	3190	End	15233
GI	none	Score	.6
Exons	3190..3267, 3574..3736, 7607..7734, 8676..8803, 9440..9476, 10967..11142, 11775..11876, 12791..12866, 14467..14536, 14605..14983, 15179..15233		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42821	Strand	-
Start	3190	End	15233
Name	OJ990616_09.9C01.C6.o2.gp	Method	AAT/GAP
Start	7307	End	10624
GI	1101_1.R1084	Score	1540
Exons	7307..7734, 7844..7948, 8676..8803, 10347..10444, 10540..10624		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 2.0e-81 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabid'		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42821	Strand	-

Start	3190	End	15233
Name	OJ990616_09.9C01.C6.o1.np	Method	AAT/NAP
Start	7594	End	10416
GI	464986	Score	671
Exons	7594..7734, 7844..7948, 8676..8803, 10347..10416		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) gi|421857|pir||S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana gi|297884|emb|CAA78714| (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] gi|349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis thaliana] gi|60		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o2.ts	Method	TBLASTX:Soybean
Start	7571	End	10443
GI	none	Score	181
Exons	7571..7783, 7597..7737, 7841..7951, 7842..7949, 8673..8804, 8676..8804, 8713..8805, 10346..10417, 10360..10443		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	7580	End	10431
GI	none	Score	169
Exons	7580..7783, 7583..7735, 7597..7737, 7841..7951, 7842..7949, 7843..7950, 8651..8800, 8669..8797, 8673..8804, 8710..8805, 10346..10417, 10355..10420, 10360..10431		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	7594	End	7958
GI	none	Score	218
Exons	7594..7746, 7595..7762, 7596..7751, 7841..7957, 7842..7958		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	7597	End	10417
GI	none	Score	152
Exons	7597..7737, 7598..7774, 7841..7951, 7842..7949, 8673..8804, 8674..8817, 8676..8801, 8713..8805, 10340..10414, 10346..10417, 10360..10416		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o6.tm	Method	TBLASTX:Maize
Start	8673	End	10713
GI	none	Score	206
Exons	8673..8807, 8673..8804, 8674..8805, 10337..10420, 10346..10417,		

10609..10671, 10672..10713

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o7.tm	Method	TBLASTX:Maize
Start	11638	End	13611
GI	none	Score	115
Exons	11638..11697, 11753..11866, 11755..11877, 11755..11889, 11762..11890, 12792..12839, 12792..12839, 12793..12840, 12846..12866, 12846..12866, 12979..13074, 12983..13078, 13189..13242, 13190..13243, 13494..13610, 13495..13611, 13495..13608, 13509..13610		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o5.ts	Method	TBLASTX:Soybean
Start	13045	End	13641
GI	4405739	Score	118
Exons	13045..13074, 13189..13263, 13509..13634, 13516..13641		
GI Descrip.	-		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o5.tm	Method	TBLASTX:Maize
Start	16546	End	16782
GI	none	Score	120
Exons	16546..16635, 16549..16635, 16633..16782, 16652..16684, 16716..16781		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	16654	End	17878
GI	none	Score	108
Exons	16654..16764, 17417..17878, 17437..17496, 17524..17595, 17680..17847		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o2.tm	Method	TBLASTX:Maize
Start	17458	End	17914
GI	none	Score	404
Exons	17458..17595, 17459..17875, 17680..17874, 17887..17910, 17888..17914		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o3.tm	Method	TBLASTX:Maize
Start	18148	End	19097
GI	none	Score	287
Exons	18148..18183, 18211..18234, 18304..18510, 18309..18494,		

18310..18501, 18596..18736, 18604..18735, 18606..18740,
18636..18737, 18986..19096, 18989..19096, 18990..19097

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o3.np	Method	AAT/NAP
Start	18297	End	21525
GI	6850852	Score	1056
Exons	18297..18502, 18635..18734, 19004..19106, 19425..19559, 20248..20411, 20556..20612, 21215..21289, 21424..21525		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o4.gs	Method	GENSCAN
Start	18300	End	20588
GI	none	Score	.94
Exons	18300..18502, 18635..18734, 19004..19106, 20248..20411, 20556..20588		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o2.tc	Method	TBLASTX:Cress
Start	18315	End	18737
GI	none	Score	138
Exons	18315..18494, 18328..18501, 18639..18737		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o3.ts	Method	TBLASTX:Soybean
Start	18318	End	18737
GI	none	Score	201
Exons	18318..18494, 18319..18510, 18633..18737, 18636..18737		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o4.tm	Method	TBLASTX:Maize
Start	19412	End	20415
GI	none	Score	112
Exons	19412..19558, 19419..19556, 19425..19559, 19426..19560, 19427..19558, 20229..20414, 20241..20414, 20368..20415		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o3.gp	Method	AAT/GAP
Start	19471	End	21695
GI	66537_1.R1084	Score	1178
Exons	19471..19559, 20248..20411, 20556..20612, 21215..21289, 21423..21695		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 3.0e-41 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible		

apospory-associated protein [Pennisetum ciliare]'

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o4.ts	Method	TBLASTX:Soybean
Start	19502	End	21290
GI	none	Score	64
Exons	19502..19561, 19503..19562, 20241..20414, 20273..20413, 20556..20615, 20556..20615, 20557..20619, 21210..21290, 21215..21289		

Seq. No.	20526	Seq. ID	OJ990616_09.9C01.C6
Gene No.	42822	Strand	-
Start	18300	End	21695
Name	OJ990616_09.9C01.C6.o8.tm	Method	TBLASTX:Maize
Start	21228	End	21541
GI	none	Score	83
Exons	21228..21290, 21236..21289, 21237..21299, 21248..21295, 21376..21534, 21422..21541, 21427..21537		

Seq. No.	20527	Seq. ID	OJ990616_09.9C01.C7
Gene No.	42823	Strand	+
Start	1537	End	2113
Name	OJ990616_09.9C01.C7.o1.gs	Method	GENSCAN
Start	1537	End	2113
GI	none	Score	.45
Exons	1537..1698, 1752..1904, 1976..2113		

Seq. No.	20527	Seq. ID	OJ990616_09.9C01.C7
Gene No.	42824	Strand	-
Start	2143	End	3092
Name	OJ990616_09.9C01.C7.o1.gp	Method	AAT/GAP
Start	2143	End	2930
GI	1005_1.R1084	Score	1311
Exons	2143..2700, 2802..2930		
GI Descrip.	'1147632 0.0e+00 (U42208) OSBZ8 [Oryza sativa]'		

Seq. No.	20527	Seq. ID	OJ990616_09.9C01.C7
Gene No.	42824	Strand	-
Start	2143	End	3092
Name	OJ990616_09.9C01.C7.o2.gs	Method	GENSCAN
Start	2382	End	2927
GI	none	Score	.89
Exons	2382..2442, 2489..2700, 2802..2927		

Seq. No.	20527	Seq. ID	OJ990616_09.9C01.C7
Gene No.	42824	Strand	-
Start	2143	End	3092
Name	OJ990616_09.9C01.C7.o1.np	Method	AAT/NAP
Start	2488	End	3092
GI	1147632	Score	498
Exons	2488..2700, 2802..2932, 3023..3092		
GI Descrip.	(U42208) OSBZ8 [Oryza sativa]		

Seq. No.	20528	Seq. ID	OJ990616_09.9C01.C8
Gene No.	42825	Strand	-

Start	1	End	633
Name	OJ990616_09.9C01.C8.o1.gp	Method	AAT/GAP
Start	1	End	632
GI	1005_1.R1084	Score	750
Exons	1..202, 304..429, 553..632		
GI Descrip.	'1147632 0.0e+00 (U42208) OSBZ8 [Oryza sativa]'		

Seq. No.	20528	Seq. ID	OJ990616_09.9C01.C8
Gene No.	42825	Strand	-
Start	1	End	633
Name	OJ990616_09.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	630
GI	1147632	Score	567
Exons	1..202, 304..429, 553..630		
GI Descrip.	(U42208) OSBZ8 [Oryza sativa]		

Seq. No.	20528	Seq. ID	OJ990616_09.9C01.C8
Gene No.	42825	Strand	-
Start	1	End	633
Name	OJ990616_09.9C01.C8.o1.gs	Method	GENSCAN
Start	19	End	630
GI	none	Score	.9
Exons	19..202, 304..429, 553..630		

Seq. No.	20528	Seq. ID	OJ990616_09.9C01.C8
Gene No.	42825	Strand	-
Start	1	End	633
Name	OJ990616_09.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	280	End	633
GI	none	Score	61
Exons	280..432, 299..433, 381..434, 539..580, 553..633		

Seq. No.	20528	Seq. ID	OJ990616_09.9C01.C8
Gene No.	42825	Strand	-
Start	1	End	633
Name	OJ990616_09.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	295	End	633
GI	none	Score	101
Exons	295..432, 297..434, 299..433, 552..632, 553..633		

Seq. No.	20528	Seq. ID	OJ990616_09.9C01.C8
Gene No.	42825	Strand	-
Start	1	End	633
Name	OJ990616_09.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	295	End	633
GI	none	Score	63
Exons	295..432, 315..437, 546..632, 551..616, 553..633		

Seq. No.	20528	Seq. ID	OJ990616_09.9C01.C8
Gene No.	42825	Strand	-
Start	1	End	633
Name	OJ990616_09.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	304	End	633
GI	none	Score	114
Exons	304..432, 553..633		

Seq. No.	20529	Seq. ID	OJ990616_09.9C01.C9

Gene No.	42826	Strand	-
Start	1	End	1959
Name	OJ990616_09.9C01.C9.o1.gp	Method	AAT/GAP
Start	1	End	1959
GI	1005_1.R1084	Score	1106
Exons	1..121, 337..385, 476..521, 634..761, 1260..1343, 1423..1515, 1611..1655, 1899..1959		
GI Descrip.	'1147632 0.0e+00 (U42208) OSBZ8 [Oryza sativa]'		

Seq. No.	20529	Seq. ID	OJ990616_09.9C01.C9
Gene No.	42826	Strand	-
Start	1	End	1959
Name	OJ990616_09.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	1958
GI	1147632	Score	894
Exons	1..121, 337..385, 476..521, 634..761, 1260..1343, 1423..1515, 1611..1655, 1899..1958		
GI Descrip.	(U42208) OSBZ8 [Oryza sativa]		

Seq. No.	20529	Seq. ID	OJ990616_09.9C01.C9
Gene No.	42826	Strand	-
Start	1	End	1959
Name	OJ990616_09.9C01.C9.o1.gs	Method	GENSCAN
Start	24	End	1958
GI	none	Score	.84
Exons	24..121, 337..385, 476..521, 634..761, 1260..1394, 1611..1655, 1899..1958		

Seq. No.	20529	Seq. ID	OJ990616_09.9C01.C9
Gene No.	42826	Strand	-
Start	1	End	1959
Name	OJ990616_09.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	666	End	1666
GI	none	Score	97
Exons	666..824, 666..764, 679..825, 1257..1346, 1257..1346, 1447..1518, 1447..1518, 1448..1522, 1610..1663, 1610..1666		

Seq. No.	20530	Seq. ID	OJ990616_09.9C01.C12
Gene No.	42827	Strand	-
Start	84	End	176
Name	OJ990616_09.9C01.C12.o1.gs	Method	GENSCAN
Start	84	End	176
GI	none	Score	.54
Exons	84..176		

Seq. No.	20531	Seq. ID	OJ990616_09.9C01.C16
Gene No.	42828	Strand	+
Start	1	End	1049
Name	OJ990616_09.9C01.C16.o1.np	Method	AAT/NAP
Start	1	End	974
GI	6539555	Score	1435
Exons	1..573, 663..974		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	20531	Seq. ID	OJ990616_09.9C01.C16

Gene No.	42828	Strand	+
Start	1	End	1049
Name	OJ990616_09.9C01.C16.o1.gs	Method	GENSCAN
Start	314	End	1049
GI	none	Score	.7
Exons	314..573, 663..1049		

Seq. No.	20531	Seq. ID	OJ990616_09.9C01.C16
Gene No.	42828	Strand	+
Start	1	End	1049
Name	OJ990616_09.9C01.C16.o1.tw	Method	TBLASTX:Wheat
Start	750	End	1031
GI	none	Score	221
Exons	750..1031, 764..970		

Seq. No.	20532	Seq. ID	OJ990616_09.9C01.C17
Gene No.	42829	Strand	-
Start	278	End	376
Name	OJ990616_09.9C01.C17.o1.gs	Method	GENSCAN
Start	278	End	376
GI	none	Score	.6
Exons	278..376		

Seq. No.	20533	Seq. ID	OJ990616_09.9C01.C18
Gene No.	42830	Strand	+
Start	923	End	9568
Name	OJ990616_09.9C01.C18.o1.gs	Method	GENSCAN
Start	923	End	9549
GI	none	Score	.52
Exons	923..1009, 1697..1814, 2267..2333, 2429..2563, 2637..2746, 2842..3012, 4577..4665, 5881..6048, 6230..6393, 6778..6833, 6996..7025, 8093..8193, 8839..8995, 9349..9549		

Seq. No.	20533	Seq. ID	OJ990616_09.9C01.C18
Gene No.	42830	Strand	+
Start	923	End	9568
Name	OJ990616_09.9C01.C18.o1.gp	Method	AAT/GAP
Start	6070	End	9545
GI	1209_1.R1084	Score	1467
Exons	6070..6393, 8093..8193, 8839..8995, 9349..9545		
GI Descrip.	'4099148 1.0e-83 (U84268) YLP [Hordeum vulgare]'		

Seq. No.	20533	Seq. ID	OJ990616_09.9C01.C18
Gene No.	42830	Strand	+
Start	923	End	9568
Name	OJ990616_09.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	6288	End	9568
GI	none	Score	98
Exons	6288..6395, 6289..6348, 8068..8193, 8072..8143, 8091..8201, 8091..8201, 8836..8982, 8840..8995, 8840..8995, 9337..9543, 9345..9548, 9346..9543, 9347..9568		

Seq. No.	20533	Seq. ID	OJ990616_09.9C01.C18
Gene No.	42830	Strand	+
Start	923	End	9568
Name	OJ990616_09.9C01.C18.o1.tc	Method	TBLASTX:Cress
Start	6289	End	9534

GI	none	Score	88
Exons	6289..6348, 6291..6395, 8068..8193, 8072..8143, 8091..8201, 8836..8994, 8840..9007, 8840..8995, 9337..9534, 9346..9534		

Seq. No.	20533	Seq. ID	OJ990616_09.9C01.C18
Gene No.	42830	Strand	+
Start	923	End	9568
Name	OJ990616_09.9C01.C18.o1.ts	Method	TBLASTX:Soybean
Start	6289	End	9548
GI	none	Score	91
Exons	6289..6348, 6291..6395, 8068..8193, 8072..8143, 8091..8201, 8836..8946, 8838..8933, 8840..8959, 8840..8959, 8942..9007, 8959..8994, 9337..9543, 9346..9501, 9351..9548, 9351..9530		

Seq. No.	20533	Seq. ID	OJ990616_09.9C01.C18
Gene No.	42830	Strand	+
Start	923	End	9568
Name	OJ990616_09.9C01.C18.o1.np	Method	AAT/NAP
Start	6292	End	9539
GI	4099148	Score	715
Exons	6292..6393, 8093..8193, 8839..8995, 9349..9539		
GI Descrip.	(U84268) YLP [Hordeum vulgare]		

Seq. No.	20533	Seq. ID	OJ990616_09.9C01.C18
Gene No.	42830	Strand	+
Start	923	End	9568
Name	OJ990616_09.9C01.C18.o1.tw	Method	TBLASTX:Wheat
Start	9315	End	9544
GI	none	Score	302
Exons	9315..9518, 9337..9534, 9344..9544, 9346..9528, 9347..9544		

Seq. No.	20534	Seq. ID	OJ990616_09.9C01.C19
Gene No.	42831	Strand	-
Start	1151	End	2217
Name	OJ990616_09.9C01.C19.o1.gs	Method	GENSCAN
Start	1151	End	2217
GI	none	Score	.46
Exons	1151..1233, 1652..1739, 1903..2217		

Seq. No.	20535	Seq. ID	OJ990616_09.9C01.C20
Gene No.	42832	Strand	+
Start	780	End	860
Name	OJ990616_09.9C01.C20.o1.gp	Method	AAT/GAP
Start	780	End	860
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	780..860		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20535	Seq. ID	OJ990616_09.9C01.C20
Gene No.	42833	Strand	-
Start	1546	End	1667
Name	OJ990616_09.9C01.C20.o1.gs	Method	GENSCAN
Start	1546	End	1667
GI	none	Score	.57
Exons	1546..1667		

Seq. No.	20536	Seq. ID	OJ990616_09.9C01.C23
Gene No.	42834	Strand	+
Start	947	End	1454
Name	OJ990616_09.9C01.C23.o1.gs	Method	GENSCAN
Start	947	End	1454
GI	none	Score	.47
Exons	947..1040, 1318..1454		

Seq. No.	20536	Seq. ID	OJ990616_09.9C01.C23
Gene No.	42835	Strand	-
Start	2232	End	8645
Name	OJ990616_09.9C01.C23.o2.gs	Method	GENSCAN
Start	2232	End	8645
GI	none	Score	.44
Exons	2232..2299, 2872..3031, 3282..3383, 4056..4256, 5663..5740, 7562..7708, 7747..7879, 7911..8137, 8535..8645		

Seq. No.	20537	Seq. ID	OJ990616_09.9C01.C25
Gene No.	42836	Strand	-
Start	202	End	1123
Name	OJ990616_09.9C01.C25.o1.np	Method	AAT/NAP
Start	202	End	1123
GI	6850852	Score	229
Exons	202..432, 577..637, 1047..1123		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	20537	Seq. ID	OJ990616_09.9C01.C25
Gene No.	42836	Strand	-
Start	202	End	1123
Name	OJ990616_09.9C01.C25.o1.tm	Method	TBLASTX:Maize
Start	250	End	612
GI	none	Score	213
Exons	250..435, 262..435, 389..436, 577..612		

Seq. No.	20537	Seq. ID	OJ990616_09.9C01.C25
Gene No.	42836	Strand	-
Start	202	End	1123
Name	OJ990616_09.9C01.C25.o1.ts	Method	TBLASTX:Soybean
Start	262	End	640
GI	none	Score	73
Exons	262..435, 294..434, 577..636, 578..640		

Seq. No.	20537	Seq. ID	OJ990616_09.9C01.C25
Gene No.	42836	Strand	-
Start	202	End	1123
Name	OJ990616_09.9C01.C25.o1.gp	Method	AAT/GAP
Start	263	End	635
GI	66537_1.R1084	Score	380
Exons	263..432, 577..635		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 3.0e-41 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	20537	Seq. ID	OJ990616_09.9C01.C25
Gene No.	42836	Strand	-
Start	202	End	1123

Name	OJ990616_09.9C01.C25.o1.gs	Method	GENSCAN
Start	269	End	674
GI	none	Score	.7
Exons	269..432, 577..674		

Seq. No.	20538	Seq. ID	OJ990616_09.9C01.C26
Gene No.	42837	Strand	+
Start	1	End	956
Name	OJ990616_09.9C01.C26.o1.gp	Method	AAT/GAP
Start	1	End	956
GI	1209_2.R1084	Score	566
Exons	1..245, 850..956		
GI Descrip.	'5565981/gb|AAD45282.1| 2.0e-25 (AF152600) unknown [Zea mays]'		

Seq. No.	20538	Seq. ID	OJ990616_09.9C01.C26
Gene No.	42837	Strand	+
Start	1	End	956
Name	OJ990616_09.9C01.C26.o1.np	Method	AAT/NAP
Start	1	End	956
GI	4099148	Score	408
Exons	1..245, 850..956		
GI Descrip.	(U84268) YLP [Hordeum vulgare]		

Seq. No.	20538	Seq. ID	OJ990616_09.9C01.C26
Gene No.	42837	Strand	+
Start	1	End	956
Name	OJ990616_09.9C01.C26.o1.tw	Method	TBLASTX:Wheat
Start	15	End	952
GI	none	Score	302
Exons	15..218, 37..234, 44..244, 46..228, 47..244, 848..940, 853..942, 853..948, 854..952		

Seq. No.	20538	Seq. ID	OJ990616_09.9C01.C26
Gene No.	42837	Strand	+
Start	1	End	956
Name	OJ990616_09.9C01.C26.o1.tc	Method	TBLASTX:Cress
Start	37	End	952
GI	none	Score	207
Exons	37..234, 46..234, 839..940, 840..911, 850..939, 850..948, 851..952		

Seq. No.	20538	Seq. ID	OJ990616_09.9C01.C26
Gene No.	42837	Strand	+
Start	1	End	956
Name	OJ990616_09.9C01.C26.o1.tm	Method	TBLASTX:Maize
Start	37	End	952
GI	none	Score	319
Exons	37..243, 45..248, 46..243, 849..950, 849..941, 850..948, 851..952		

Seq. No.	20538	Seq. ID	OJ990616_09.9C01.C26
Gene No.	42837	Strand	+
Start	1	End	956
Name	OJ990616_09.9C01.C26.o1.ts	Method	TBLASTX:Soybean
Start	37	End	952
GI	none	Score	227
Exons	37..243, 46..201, 51..248, 51..230, 842..952, 848..931, 850..948		

Seq. No.	20538	Seq. ID	OJ990616_09.9C01.C26
Gene No.	42837	Strand	+
Start	1	End	956
Name	OJ990616_09.9C01.C26.o1.gs	Method	GENSCAN
Start	49	End	949
GI	none	Score	.62
Exons	49..245, 850..949		

Seq. No.	20539	Seq. ID	OJ990616_09.9C01.C27
Gene No.	42838	Strand	-
Start	352	End	675
Name	OJ990616_09.9C01.C27.o1.gs	Method	GENSCAN
Start	352	End	675
GI	none	Score	.79
Exons	352..503, 582..675		

Seq. No.	20540	Seq. ID	OJ990616_09.9C01.C32
Gene No.	42839	Strand	-
Start	165	End	226
Name	OJ990616_09.9C01.C32.o1.gs	Method	GENSCAN
Start	165	End	226
GI	none	Score	.65
Exons	165..226		

Seq. No.	20541	Seq. ID	OJ990616_09.9C01.C33
Gene No.	42840	Strand	+
Start	154	End	647
Name	OJ990616_09.9C01.C33.o1.gp	Method	AAT/GAP
Start	154	End	647
GI	1209_2.R1084	Score	918
Exons	154..647		
GI Descrip.	'5565981/gb|AAD45282.1| 2.0e-25 (AF152600) unknown [Zea mays]'		

Seq. No.	20541	Seq. ID	OJ990616_09.9C01.C33
Gene No.	42841	Strand	-
Start	139	End	284
Name	OJ990616_09.9C01.C33.o1.gs	Method	GENSCAN
Start	139	End	284
GI	none	Score	.62
Exons	139..284		

Seq. No.	20542	Seq. ID	OJ990616_09.9C01.C37
Gene No.	42842	Strand	+
Start	420	End	515
Name	OJ990616_09.9C01.C37.o1.gs	Method	GENSCAN
Start	420	End	515
GI	none	Score	.61
Exons	420..515		

Seq. No.	20543	Seq. ID	OJ990616_09.9C01.C38
Gene No.	42843	Strand	-
Start	1	End	919
Name	OJ990616_09.9C01.C38.o1.np	Method	AAT/NAP
Start	1	End	652
GI	5441880	Score	1069
Exons	1..652		

GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	20543	Seq. ID	OJ990616_09.9C01.C38
Gene No.	42843	Strand	-
Start	1	End	919
Name	OJ990616_09.9C01.C38.o1.gs	Method	GENSCAN
Start	48	End	919
GI	none	Score	.5
Exons	48..919		
Seq. No.	20544	Seq. ID	OJ990616_09.9C01.C39
Gene No.	42844	Strand	+
Start	1	End	134
Name	OJ990616_09.9C01.C39.o1.gp	Method	AAT/GAP
Start	1	End	134
GI	1101_1.R1084	Score	186
Exons	1..134		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 2.0e-81 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabid'		
Seq. No.	20544	Seq. ID	OJ990616_09.9C01.C39
Gene No.	42845	Strand	-
Start	1	End	142
Name	OJ990616_09.9C01.C39.o1.np	Method	AAT/NAP
Start	1	End	132
GI	456568	Score	143
Exons	1..132		
GI Descrip.	(L29077) ubiquitin conjugating enzyme [Pisum sativum]		
Seq. No.	20544	Seq. ID	OJ990616_09.9C01.C39
Gene No.	42845	Strand	-
Start	1	End	142
Name	OJ990616_09.9C01.C39.o1.tc	Method	TBLASTX:Cress
Start	3	End	135
GI	none	Score	77
Exons	3..98, 5..133, 17..133, 19..135, 19..135		
Seq. No.	20544	Seq. ID	OJ990616_09.9C01.C39
Gene No.	42845	Strand	-
Start	1	End	142
Name	OJ990616_09.9C01.C39.o1.ts	Method	TBLASTX:Soybean
Start	12	End	135
GI	none	Score	86
Exons	12..116, 25..135, 26..133		
Seq. No.	20544	Seq. ID	OJ990616_09.9C01.C39
Gene No.	42845	Strand	-
Start	1	End	142
Name	OJ990616_09.9C01.C39.o1.tw	Method	TBLASTX:Wheat
Start	20	End	135

GI	none	Score	136
Exons	20..133, 25..135		

Seq. No.	20544	Seq. ID	OJ990616_09.9C01.C39
Gene No.	42845	Strand	-
Start	1	End	142
Name	OJ990616_09.9C01.C39.o1.tm	Method	TBLASTX:Maize
Start	24	End	142
GI	none	Score	175
Exons	24..140, 25..141, 26..142		

Seq. No.	20545	Seq. ID	OJ990616_09.9C01.C42
Gene No.	42846	Strand	-
Start	128	End	1608
Name	OJ990616_09.9C01.C42.o1.gs	Method	GENSCAN
Start	128	End	1608
GI	none	Score	.75
Exons	128..244, 339..425, 1272..1340, 1560..1608		

Seq. No.	20546	Seq. ID	OJ990616_09.9C01.C43
Gene No.	42847	Strand	+
Start	1458	End	3009
Name	OJ990616_09.9C01.C43.o1.gs	Method	GENSCAN
Start	1458	End	3009
GI	none	Score	.55
Exons	1458..2081, 2144..2195, 2293..3009		

Seq. No.	20547	Seq. ID	OJ990616_09.9C01.C44
Gene No.	42848	Strand	+
Start	1	End	1485
Name	OJ990616_09.9C01.C44.o1.np	Method	AAT/NAP
Start	1	End	1485
GI	5902444	Score	961
Exons	1..1485		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	20547	Seq. ID	OJ990616_09.9C01.C44
Gene No.	42848	Strand	+
Start	1	End	1485
Name	OJ990616_09.9C01.C44.o1.gs	Method	GENSCAN
Start	7	End	1403
GI	none	Score	.51
Exons	7..133, 256..801, 891..1403		

Seq. No.	20547	Seq. ID	OJ990616_09.9C01.C44
Gene No.	42848	Strand	+
Start	1	End	1485
Name	OJ990616_09.9C01.C44.o1.tm	Method	TBLASTX:Maize
Start	18	End	257
GI	none	Score	186
Exons	18..257		

Seq. No.	20547	Seq. ID	OJ990616_09.9C01.C44
Gene No.	42848	Strand	+
Start	1	End	1485
Name	OJ990616_09.9C01.C44.o2.tw	Method	TBLASTX:Wheat
Start	21	End	419

GI	none	Score	247
Exons	21..419, 44..73, 146..319		

Seq. No.	20547	Seq. ID	OJ990616_09.9C01.C44
Gene No.	42848	Strand	+
Start	1	End	1485
Name	OJ990616_09.9C01.C44.o1.tw	Method	TBLASTX:Wheat
Start	1001	End	1443
GI	none	Score	147
Exons	1001..1183, 1009..1182, 1220..1441, 1222..1443		

Seq. No.	20548	Seq. ID	OJ990616_09.9C01.C45
Gene No.	42849	Strand	+
Start	1	End	1400
Name	OJ990616_09.9C01.C45.o1.np	Method	AAT/NAP
Start	1	End	1400
GI	4206306	Score	930
Exons	1..1400		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	20548	Seq. ID	OJ990616_09.9C01.C45
Gene No.	42849	Strand	+
Start	1	End	1400
Name	OJ990616_09.9C01.C45.o3.tw	Method	TBLASTX:Wheat
Start	17	End	382
GI	none	Score	308
Exons	17..382, 22..366, 176..379		

Seq. No.	20548	Seq. ID	OJ990616_09.9C01.C45
Gene No.	42849	Strand	+
Start	1	End	1400
Name	OJ990616_09.9C01.C45.o1.gs	Method	GENSCAN
Start	83	End	1298
GI	none	Score	.79
Exons	83..335, 626..1298		

Seq. No.	20548	Seq. ID	OJ990616_09.9C01.C45
Gene No.	42849	Strand	+
Start	1	End	1400
Name	OJ990616_09.9C01.C45.o1.tw	Method	TBLASTX:Wheat
Start	581	End	1035
GI	none	Score	76
Exons	581..649, 589..648, 639..1034, 640..1035		

Seq. No.	20548	Seq. ID	OJ990616_09.9C01.C45
Gene No.	42849	Strand	+
Start	1	End	1400
Name	OJ990616_09.9C01.C45.o1.tm	Method	TBLASTX:Maize
Start	709	End	1065
GI	none	Score	407
Exons	709..1065, 763..1014, 771..1064		

Seq. No.	20548	Seq. ID	OJ990616_09.9C01.C45
Gene No.	42849	Strand	+
Start	1	End	1400
Name	OJ990616_09.9C01.C45.o2.tw	Method	TBLASTX:Wheat
Start	1035	End	1338

GI	none	Score	320
Exons	1035..1094, 1036..1338, 1260..1337		

Seq. No.	20548	Seq. ID	OJ990616_09.9C01.C45
Gene No.	42849	Strand	+
Start	1	End	1400
Name	OJ990616_09.9C01.C45.o2.tm	Method	TBLASTX:Maize
Start	1069	End	1326
GI	none	Score	216
Exons	1069..1326		

Seq. No.	20548	Seq. ID	OJ990616_09.9C01.C45
Gene No.	42849	Strand	+
Start	1	End	1400
Name	OJ990616_09.9C01.C45.o1.ts	Method	TBLASTX:Soybean
Start	1123	End	1338
GI	none	Score	194
Exons	1123..1338, 1263..1322		

Seq. No.	20549	Seq. ID	OJ990616_09.9C01.C46
Gene No.	42850	Strand	-
Start	336	End	2551
Name	OJ990616_09.9C01.C46.o1.np	Method	AAT/NAP
Start	336	End	2551
GI	5852172	Score	71
Exons	336..482, 2519..2551		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	20549	Seq. ID	OJ990616_09.9C01.C46
Gene No.	42850	Strand	-
Start	336	End	2551
Name	OJ990616_09.9C01.C46.o2.np	Method	AAT/NAP
Start	1236	End	2551
GI	5091513	Score	1196
Exons	1236..1347, 1396..2551		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	20550	Seq. ID	OJ990616_09.9C01.C47
Gene No.	42851	Strand	-
Start	1	End	1752
Name	OJ990616_09.9C01.C47.o1.np	Method	AAT/NAP
Start	1	End	1752
GI	5091513	Score	1239
Exons	1..322, 1058..1752		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	20550	Seq. ID	OJ990616_09.9C01.C47
Gene No.	42851	Strand	-
Start	1	End	1752
Name	OJ990616_09.9C01.C47.o1.gs	Method	GENSCAN
Start	18	End	1728
GI	none	Score	.65
Exons	18..348, 1154..1728		

Seq. No.	20551	Seq. ID	OJ990616_09.9C01.C48
Gene No.	42852	Strand	+
Start	1	End	1748

Name	OJ990616_09.9C01.C48.o1.gs	Method	GENSCAN
Start	1	End	1748
GI	none	Score	.87
Exons	1..298, 1708..1748		

Seq. No.	20551	Seq. ID	OJ990616_09.9C01.C48
Gene No.	42853	Strand	+
Start	1698	End	10252
Name	OJ990616_09.9C01.C48.o2.np	Method	AAT/NAP
Start	1698	End	4936
GI	5852093	Score	64
Exons	1698..1741, 3089..3189, 4918..4936		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	20551	Seq. ID	OJ990616_09.9C01.C48
Gene No.	42853	Strand	+
Start	1698	End	10252
Name	OJ990616_09.9C01.C48.o2.gs	Method	GENSCAN
Start	3465	End	10252
GI	none	Score	.43
Exons	3465..3648, 3848..3910, 4678..4786, 5472..5575, 5714..5800, 7419..7487, 7743..7798, 7872..8074, 8345..9023, 9446..9776, 10212..10252		

Seq. No.	20551	Seq. ID	OJ990616_09.9C01.C48
Gene No.	42853	Strand	+
Start	1698	End	10252
Name	OJ990616_09.9C01.C48.o3.np	Method	AAT/NAP
Start	7888	End	8909
GI	5091497	Score	71
Exons	7888..8088, 8787..8909		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	20551	Seq. ID	OJ990616_09.9C01.C48
Gene No.	42854	Strand	-
Start	1	End	3129
Name	OJ990616_09.9C01.C48.o1.np	Method	AAT/NAP
Start	1	End	3129
GI	6721512	Score	100
Exons	1..31, 1005..1144, 1289..1395, 1423..1531, 3087..3129		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	20551	Seq. ID	OJ990616_09.9C01.C48
Gene No.	42854	Strand	-
Start	1	End	3129
Name	OJ990616_09.9C01.C48.o1.gp	Method	AAT/GAP
Start	268	End	496
GI	3761181	Score	343
Exons	268..496		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	20551	Seq. ID	OJ990616_09.9C01.C48
Gene No.	42854	Strand	-
Start	1	End	3129
Name	OJ990616_09.9C01.C48.o2.gp	Method	AAT/GAP

Start	504	End	609
GI	5816518	Score	155
Exons	504..609		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	20552	Seq. ID	OJ990616_09.9C01.C49
Gene No.	42855	Strand	+
Start	565	End	1447
Name	OJ990616_09.9C01.C49.o1.gs	Method	GENSCAN
Start	565	End	1298
GI	none	Score	.81
Exons	565..634, 722..1298		

Seq. No.	20552	Seq. ID	OJ990616_09.9C01.C49
Gene No.	42855	Strand	+
Start	565	End	1447
Name	OJ990616_09.9C01.C49.o1.np	Method	AAT/NAP
Start	839	End	1447
GI	6539555	Score	772
Exons	839..877, 937..1447		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	20552	Seq. ID	OJ990616_09.9C01.C49
Gene No.	42855	Strand	+
Start	565	End	1447
Name	OJ990616_09.9C01.C49.o1.tm	Method	TBLASTX:Maize
Start	880	End	1173
GI	none	Score	182
Exons	880..1173, 927..1142		

Seq. No.	20553	Seq. ID	OJ990616_09.9C01.C51
Gene No.	42856	Strand	-
Start	1	End	329
Name	OJ990616_09.9C01.C51.o1.np	Method	AAT/NAP
Start	1	End	329
GI	5902445	Score	318
Exons	1..329		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	20553	Seq. ID	OJ990616_09.9C01.C51
Gene No.	42856	Strand	-
Start	1	End	329
Name	OJ990616_09.9C01.C51.o1.gs	Method	GENSCAN
Start	33	End	262
GI	none	Score	.59
Exons	33..262		

Seq. No.	20553	Seq. ID	OJ990616_09.9C01.C51
Gene No.	42856	Strand	-
Start	1	End	329
Name	OJ990616_09.9C01.C51.o1.tm	Method	TBLASTX:Maize
Start	36	End	319
GI	none	Score	87
Exons	36..242, 37..180, 260..319		

Seq. No.	20553	Seq. ID	OJ990616_09.9C01.C51
Gene No.	42856	Strand	-
Start	1	End	329
Name	OJ990616_09.9C01.C51.o1.tw	Method	TBLASTX:Wheat
Start	36	End	289
GI	none	Score	137
Exons	36..248, 37..180, 45..245, 254..289		

Seq. No.	20553	Seq. ID	OJ990616_09.9C01.C51
Gene No.	42856	Strand	-
Start	1	End	329
Name	OJ990616_09.9C01.C51.o1.ts	Method	TBLASTX:Soybean
Start	78	End	293
GI	none	Score	76
Exons	78..266, 88..177, 264..293		

Seq. No.	20554	Seq. ID	OJ990616_09.9C01.C53
Gene No.	42857	Strand	-
Start	1	End	367
Name	OJ990616_09.9C01.C53.o1.np	Method	AAT/NAP
Start	1	End	367
GI	6721517	Score	348
Exons	1..367		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	20554	Seq. ID	OJ990616_09.9C01.C53
Gene No.	42857	Strand	-
Start	1	End	367
Name	OJ990616_09.9C01.C53.o1.gs	Method	GENSCAN
Start	133	End	321
GI	none	Score	.42
Exons	133..321		

Seq. No.	20554	Seq. ID	OJ990616_09.9C01.C53
Gene No.	42857	Strand	-
Start	1	End	367
Name	OJ990616_09.9C01.C53.o1.tm	Method	TBLASTX:Maize
Start	148	End	307
GI	none	Score	160
Exons	148..306, 149..307		

Seq. No.	20554	Seq. ID	OJ990616_09.9C01.C53
Gene No.	42857	Strand	-
Start	1	End	367
Name	OJ990616_09.9C01.C53.o1.tw	Method	TBLASTX:Wheat
Start	169	End	324
GI	none	Score	108
Exons	169..324, 176..319, 220..324		

Seq. No.	20555	Seq. ID	OJ990616_09.9C01.C55
Gene No.	42858	Strand	+
Start	1	End	1463
Name	OJ990616_09.9C01.C55.o1.np	Method	AAT/NAP
Start	1	End	1463
GI	5091513	Score	1347
Exons	1..129, 486..1463		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	20556	Seq. ID	OJ990616_07.9C03.C1
Gene No.	42859	Strand	+
Start	1	End	188
Name	OJ990616_07.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	185
GI	4680179	Score	200
Exons	1..185		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	20556	Seq. ID	OJ990616_07.9C03.C1
Gene No.	42859	Strand	+
Start	1	End	188
Name	OJ990616_07.9C03.C1.o1.gs	Method	GENSCAN
Start	69	End	188
GI	none	Score	.59
Exons	69..188		

Seq. No.	20557	Seq. ID	OJ990616_07.9C03.C2
Gene No.	42860	Strand	+
Start	2356	End	3038
Name	OJ990616_07.9C03.C2.o1.gp	Method	AAT/GAP
Start	2177	End	2559
GI	uC-osf1cyp033a04b1	Score	704
Exons	2177..2559		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	20557	Seq. ID	OJ990616_07.9C03.C2
Gene No.	42860	Strand	+
Start	2356	End	3038
Name	OJ990616_07.9C03.C2.o2.gs	Method	GENSCAN
Start	2356	End	3038
GI	none	Score	.56
Exons	2356..2431, 3001..3038		

Seq. No.	20557	Seq. ID	OJ990616_07.9C03.C2
Gene No.	42861	Strand	-
Start	655	End	3365
Name	OJ990616_07.9C03.C2.o1.gs	Method	GENSCAN
Start	655	End	1188
GI	none	Score	.91
Exons	655..1188		

Seq. No.	20557	Seq. ID	OJ990616_07.9C03.C2
Gene No.	42861	Strand	-
Start	655	End	3365
Name	OJ990616_07.9C03.C2.o1.np	Method	AAT/NAP
Start	842	End	3365
GI	5852180	Score	568
Exons	842..1254, 1306..1418, 2402..2463, 3324..3365		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42862	Strand	+
Start	363	End	745

Name	OJ990616_07.9C03.C3.o1.gp	Method	AAT/GAP
Start	363	End	745
GI	uC-osf1cyp033a04b1	Score	704
Exons	363..745		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o1.np	Method	AAT/NAP
Start	2694	End	6926
GI	4680179	Score	4906
Exons	2694..3770, 3804..6926		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o8.tw	Method	TBLASTX:Wheat
Start	2727	End	3127
GI	none	Score	59
Exons	2727..2777, 2791..2817, 2901..2921, 2928..3125, 2930..3127		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o6.tw	Method	TBLASTX:Wheat
Start	3161	End	3512
GI	none	Score	286
Exons	3161..3355, 3162..3512		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o6.tm	Method	TBLASTX:Maize
Start	3162	End	3467
GI	none	Score	228
Exons	3162..3467, 3176..3340		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o7.tm	Method	TBLASTX:Maize
Start	3825	End	4148
GI	none	Score	186
Exons	3825..4148		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o7.tw	Method	TBLASTX:Wheat
Start	3831	End	4268
GI	none	Score	164
Exons	3831..4040, 3887..4039, 4085..4198, 4086..4199, 4227..4268		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3

Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o4.tw	Method	TBLASTX:Wheat
Start	4368	End	4850
GI	none	Score	63
Exons	4368..4418, 4472..4807, 4473..4850		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o5.tm	Method	TBLASTX:Maize
Start	4380	End	4669
GI	none	Score	277
Exons	4380..4667, 4476..4667, 4478..4669		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	4737	End	5237
GI	none	Score	167
Exons	4737..4916, 4745..4891, 4923..5237, 4988..5116, 5144..5194		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	4791	End	5186
GI	none	Score	57
Exons	4791..4823, 4793..4822, 4827..5186, 4829..4867, 4895..5185		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o5.tw	Method	TBLASTX:Wheat
Start	4899	End	5201
GI	none	Score	378
Exons	4899..5201, 4901..5185		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o3.tw	Method	TBLASTX:Wheat
Start	5202	End	5624
GI	none	Score	595
Exons	5202..5624, 5234..5623		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o3.ts	Method	TBLASTX:Soybean
Start	5208	End	5453
GI	none	Score	206
Exons	5208..5453, 5210..5452		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+

Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	5273	End	5636
GI	none	Score	482
Exons	5273..5623, 5274..5627, 5274..5636		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	5627	End	6194
GI	none	Score	651
Exons	5627..6193, 5658..6194		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	5901	End	6218
GI	none	Score	90
Exons	5901..6074, 6075..6218, 6077..6217		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	5982	End	6243
GI	none	Score	296
Exons	5982..6242, 5987..6241, 6061..6243		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o4.tm	Method	TBLASTX:Maize
Start	6041	End	6332
GI	none	Score	374
Exons	6041..6328, 6042..6332		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	6201	End	6827
GI	none	Score	693
Exons	6201..6827, 6257..6715, 6573..6824		

Seq. No.	20558	Seq. ID	OJ990616_07.9C03.C3
Gene No.	42863	Strand	+
Start	2694	End	6926
Name	OJ990616_07.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	6381	End	6872
GI	none	Score	231
Exons	6381..6542, 6389..6535, 6540..6872, 6540..6623, 6542..6841, 6702..6872		

Seq. No.	20559	Seq. ID	OJ990616_07.9C03.C4
Gene No.	42864	Strand	-

Start	451	End	3180
Name	OJ990616_07.9C03.C4.o1.gs	Method	GENSCAN
Start	451	End	1309
GI	none	Score	.54
Exons	451..526, 1116..1309		

Seq. No.	20559	Seq. ID	OJ990616_07.9C03.C4
Gene No.	42864	Strand	-
Start	451	End	3180
Name	OJ990616_07.9C03.C4.o1.np	Method	AAT/NAP
Start	978	End	3180
GI	5852181	Score	116
Exons	978..1007, 2232..2436, 3139..3180		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	20559	Seq. ID	OJ990616_07.9C03.C4
Gene No.	42864	Strand	-
Start	451	End	3180
Name	OJ990616_07.9C03.C4.o2.gs	Method	GENSCAN
Start	1919	End	2408
GI	none	Score	.67
Exons	1919..2244, 2250..2408		

Seq. No.	20560	Seq. ID	OJ990616_07.9C03.C5
Gene No.	42865	Strand	+
Start	76	End	3503
Name	OJ990616_07.9C03.C5.o1.np	Method	AAT/NAP
Start	76	End	3503
GI	4006833	Score	180
Exons	76..189, 3081..3503		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	20560	Seq. ID	OJ990616_07.9C03.C5
Gene No.	42865	Strand	+
Start	76	End	3503
Name	OJ990616_07.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	3156	End	3457
GI	none	Score	309
Exons	3156..3407, 3165..3395, 3167..3400, 3407..3457		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o1.np	Method	AAT/NAP
Start	276	End	6892
GI	5295971	Score	2394
Exons	276..302, 1794..5462, 6850..6892		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o2.gs	Method	GENSCAN
Start	1834	End	4740

GI	none	Score	.47
Exons	1834..2387, 2409..2865, 2926..3087, 3124..3564, 3648..3992, 4027..4740		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o4.tw	Method	TBLASTX:Wheat
Start	1903	End	2253
GI	none	Score	211
Exons	1903..2253, 1948..2250		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o5.tm	Method	TBLASTX:Maize
Start	1977	End	2301
GI	none	Score	217
Exons	1977..2276, 1978..2301, 1978..2280		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o4.tm	Method	TBLASTX:Maize
Start	2796	End	3204
GI	none	Score	306
Exons	2796..3071, 2797..3204		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	2818	End	3270
GI	none	Score	252
Exons	2818..3183, 2832..3095, 3184..3270		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o4.ts	Method	TBLASTX:Soybean
Start	3208	End	3507
GI	none	Score	205
Exons	3208..3507, 3279..3449, 3304..3384		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	3343	End	3893
GI	none	Score	105
Exons	3343..3507, 3513..3797, 3804..3893		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	3542	End	3965

GI	none	Score	380
Exons	3542..3856, 3543..3881, 3894..3965, 3905..3964		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	3558	End	4007
GI	none	Score	226
Exons	3558..4007		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	3567	End	4007
GI	none	Score	340
Exons	3567..4007, 3573..3980		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	4366	End	4866
GI	5509260	Score	400
Exons	4366..4866, 4404..4634, 4495..4824		
GI Descrip.	-		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	4393	End	4713
GI	none	Score	381
Exons	4393..4713, 4413..4712		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o2.tc	Method	TBLASTX:Cress
Start	4488	End	4752
GI	none	Score	223
Exons	4488..4664, 4489..4752, 4570..4746		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	4540	End	5073
GI	none	Score	263
Exons	4540..4827, 4549..4878, 4870..5073		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	4929	End	5352

GI	none	Score	245
Exons	4929..4973, 4933..5202, 4933..5178, 5070..5195, 5193..5345, 5194..5352		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	5023	End	5370
GI	none	Score	144
Exons	5023..5208, 5026..5145, 5194..5370, 5196..5276		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o5.tw	Method	TBLASTX:Wheat
Start	5089	End	5370
GI	none	Score	75
Exons	5089..5208, 5218..5370		

Seq. No.	20561	Seq. ID	OJ990616_07.9C03.C6
Gene No.	42866	Strand	+
Start	276	End	6892
Name	OJ990616_07.9C03.C6.o2.np	Method	AAT/NAP
Start	6724	End	6801
GI	6721547	Score	67
Exons	6724..6801		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	20562	Seq. ID	OJ990616_07.9C03.C7
Gene No.	42867	Strand	+
Start	1	End	4440
Name	OJ990616_07.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	4440
GI	6691193	Score	494
Exons	1..61, 1199..1674, 4406..4440		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	20562	Seq. ID	OJ990616_07.9C03.C7
Gene No.	42867	Strand	+
Start	1	End	4440
Name	OJ990616_07.9C03.C7.o2.np	Method	AAT/NAP
Start	1	End	4263
GI	5852181	Score	119
Exons	1..87, 2801..2991, 4229..4263		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	20562	Seq. ID	OJ990616_07.9C03.C7
Gene No.	42867	Strand	+
Start	1	End	4440
Name	OJ990616_07.9C03.C7.o3.np	Method	AAT/NAP
Start	1	End	4304
GI	4680186	Score	360
Exons	1..68, 3210..3265, 4104..4304		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20562	Seq. ID	OJ990616_07.9C03.C7

Gene No.	42867	Strand	+
Start	1	End	4440
Name	OJ990616_07.9C03.C7.o1.gs	Method	GENSCAN
Start	1181	End	4307
GI	none	Score	.59
Exons	1181..1241, 1330..1471, 1841..1910, 2833..2991, 3136..3188, 3960..4007, 4104..4307		

Seq. No.	20562	Seq. ID	OJ990616_07.9C03.C7
Gene No.	42868	Strand	-
Start	3856	End	4237
Name	OJ990616_07.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	1286	End	1661
GI	none	Score	263
Exons	1286..1504, 1298..1504, 1508..1654, 1509..1661		

Seq. No.	20562	Seq. ID	OJ990616_07.9C03.C7
Gene No.	42868	Strand	-
Start	3856	End	4237
Name	OJ990616_07.9C03.C7.o1.gp	Method	AAT/GAP
Start	3856	End	4237
GI	uC-osflcyp033a04b1	Score	655
Exons	3856..4237		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20563	Seq. ID	OJ990616_07.9C03.C8
Gene No.	42869	Strand	+
Start	1	End	2278
Name	OJ990616_07.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	2278
GI	5295971	Score	437
Exons	1..48, 729..1256, 2246..2278		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20563	Seq. ID	OJ990616_07.9C03.C8
Gene No.	42870	Strand	-
Start	3883	End	5907
Name	OJ990616_07.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	798	End	1253
GI	none	Score	270
Exons	798..1253, 1076..1213		

Seq. No.	20563	Seq. ID	OJ990616_07.9C03.C8
Gene No.	42870	Strand	-
Start	3883	End	5907
Name	OJ990616_07.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	801	End	1226
GI	none	Score	155
Exons	801..1010, 857..982, 1023..1214, 1047..1226		

Seq. No.	20563	Seq. ID	OJ990616_07.9C03.C8
Gene No.	42870	Strand	-
Start	3883	End	5907
Name	OJ990616_07.9C03.C8.o1.tc	Method	TBLASTX:Cress

Start	810	End	1259
GI	none	Score	89
Exons	810..887, 891..989, 1004..1222, 1038..1259		

Seq. No.	20563	Seq. ID	OJ990616_07.9C03.C8
Gene No.	42870	Strand	-
Start	3883	End	5907
Name	OJ990616_07.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	866	End	1253
GI	none	Score	356
Exons	866..1252, 867..1253		

Seq. No.	20563	Seq. ID	OJ990616_07.9C03.C8
Gene No.	42870	Strand	-
Start	3883	End	5907
Name	OJ990616_07.9C03.C8.o2.np	Method	AAT/NAP
Start	3883	End	5907
GI	5852179	Score	230
Exons	3883..3941, 5363..5587, 5662..5907		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	20564	Seq. ID	OJ990616_07.9C03.C9
Gene No.	42871	Strand	+
Start	1	End	796
Name	OJ990616_07.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	796
GI	6063554	Score	97
Exons	1..45, 625..796		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42872	Strand	+
Start	556	End	1350
Name	OJ990616_07.9C03.C10.o1.gs	Method	GENSCAN
Start	556	End	1350
GI	none	Score	.96
Exons	556..1350		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42872	Strand	+
Start	556	End	1350
Name	OJ990616_07.9C03.C10.o1.np	Method	AAT/NAP
Start	556	End	1347
GI	4512231	Score	1313
Exons	556..1347		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42873	Strand	+
Start	1565	End	6028
Name	OJ990616_07.9C03.C10.o2.np	Method	AAT/NAP
Start	1565	End	6028
GI	4680179	Score	5602
Exons	1565..6028		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o9.tw	Method	TBLASTX:Wheat
Start	1771	End	1969
GI	none	Score	208
Exons	1771..1968, 1772..1969		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o6.tm	Method	TBLASTX:Maize
Start	2021	End	2326
GI	none	Score	243
Exons	2021..2326		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o7.tw	Method	TBLASTX:Wheat
Start	2021	End	2371
GI	none	Score	307
Exons	2021..2371		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o8.tw	Method	TBLASTX:Wheat
Start	2705	End	3058
GI	none	Score	252
Exons	2705..3058, 2705..2974		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o7.tm	Method	TBLASTX:Maize
Start	3092	End	3253
GI	none	Score	182
Exons	3092..3253, 3109..3207		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o4.tw	Method	TBLASTX:Wheat
Start	3190	End	3673
GI	none	Score	527
Exons	3190..3630, 3191..3673, 3194..3670		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o4.ts	Method	TBLASTX:Soybean
Start	3227	End	3541
GI	none	Score	194
Exons	3227..3541		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o4.tm	Method	TBLASTX:Maize
Start	3256	End	3703
GI	none	Score	366
Exons	3256..3438, 3260..3703		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	3614	End	4009
GI	none	Score	57
Exons	3614..3646, 3614..3646, 3650..3703, 3652..3693, 3758..4009, 3766..3981		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o5.tm	Method	TBLASTX:Maize
Start	3758	End	4090
GI	none	Score	303
Exons	3758..4090, 3811..4089		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o5.tw	Method	TBLASTX:Wheat
Start	3761	End	4024
GI	none	Score	359
Exons	3761..4024, 3763..4023		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o3.tw	Method	TBLASTX:Wheat
Start	4025	End	4450
GI	none	Score	581
Exons	4025..4450, 4027..4443, 4142..4450		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o3.ts	Method	TBLASTX:Soybean
Start	4031	End	4279
GI	none	Score	206
Exons	4031..4279		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o2.tm	Method	TBLASTX:Maize
Start	4097	End	4450
GI	none	Score	445
Exons	4097..4450, 4102..4443		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	4478	End	5017
GI	none	Score	626
Exons	4478..5017, 4642..5013		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	4715	End	5041
GI	none	Score	89
Exons	4715..4897, 4898..5041, 4900..5040		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	4805	End	5065
GI	none	Score	300
Exons	4805..5065, 4816..5064		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o3.tm	Method	TBLASTX:Maize
Start	4863	End	5155
GI	none	Score	78
Exons	4863..4964, 4863..5150, 4865..5155, 4879..5151		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	5024	End	5650
GI	none	Score	723
Exons	5024..5650, 5080..5529, 5590..5649		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	5203	End	5788
GI	none	Score	229
Exons	5203..5358, 5204..5365, 5362..5526, 5363..5788, 5522..5767, 5590..5787		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o6.tw	Method	TBLASTX:Wheat
Start	5650	End	5983
GI	none	Score	309
Exons	5650..5931, 5651..5983		

Seq. No.	20565	Seq. ID	OJ990616_07.9C03.C10
Gene No.	42874	Strand	-
Start	6297	End	6510
Name	OJ990616_07.9C03.C10.o3.gs	Method	GENSCAN
Start	6297	End	6510
GI	none	Score	.52
Exons	6297..6510		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o1.gs	Method	GENSCAN
Start	353	End	3642
GI	none	Score	.6
Exons	353..1337, 1574..2883, 2923..3642		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o1.np	Method	AAT/NAP
Start	356	End	3770
GI	4680179	Score	5704
Exons	356..3770		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o6.tw	Method	TBLASTX:Wheat
Start	366	End	734
GI	none	Score	35
Exons	366..419, 401..733, 422..562, 525..641, 626..706, 681..734		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o6.tm	Method	TBLASTX:Maize
Start	380	End	577
GI	none	Score	198
Exons	380..577		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	581	End	1189
GI	none	Score	207
Exons	581..862, 594..908, 720..941, 968..1030, 984..1028, 1028..1189, 1035..1181		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o3.tw	Method	TBLASTX:Wheat
Start	734	End	1368
GI	none	Score	90
Exons	734..961, 735..908, 968..1315, 984..1313, 1321..1368		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o7.tm	Method	TBLASTX:Maize
Start	1190	End	1313
GI	none	Score	115
Exons	1190..1312, 1191..1313, 1194..1313		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o4.tm	Method	TBLASTX:Maize
Start	1321	End	1731
GI	none	Score	150
Exons	1321..1731, 1331..1690		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o2.ts	Method	TBLASTX:Soybean
Start	1327	End	1587
GI	none	Score	155
Exons	1327..1587, 1328..1582		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	1375	End	1851
GI	none	Score	316
Exons	1375..1851, 1376..1783, 1408..1821		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	1852	End	2367
GI	none	Score	234
Exons	1852..2367, 1942..2289, 2024..2335		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	1930	End	2295
GI	none	Score	152
Exons	1930..2241, 1937..2272, 1942..2295, 2027..2293		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o3.ts	Method	TBLASTX:Soybean
Start	2116	End	2361
GI	none	Score	203
Exons	2116..2361		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o3.tm	Method	TBLASTX:Maize
Start	2332	End	2832
GI	none	Score	43
Exons	2332..2667, 2375..2425, 2450..2581, 2653..2832		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o5.tw	Method	TBLASTX:Wheat
Start	2368	End	2670
GI	none	Score	242
Exons	2368..2670, 2369..2650		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	2383	End	2778
GI	none	Score	163
Exons	2383..2742, 2384..2647, 2668..2742, 2734..2778, 2746..2778		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o4.tw	Method	TBLASTX:Wheat
Start	2719	End	3205
GI	none	Score	201
Exons	2719..3201, 2728..3090, 2762..3205		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o5.tm	Method	TBLASTX:Maize
Start	2902	End	3190
GI	none	Score	161
Exons	2902..3189, 2903..3091, 3152..3190		

Seq. No.	20566	Seq. ID	OJ990616_07.9C03.C12
Gene No.	42875	Strand	-
Start	353	End	3770
Name	OJ990616_07.9C03.C12.o7.tw	Method	TBLASTX:Wheat
Start	3364	End	3762
GI	none	Score	105
Exons	3364..3525, 3365..3520, 3585..3695, 3586..3762, 3632..3745		

Seq. No.	20567	Seq. ID	OJ990616_07.9C03.C13
Gene No.	42876	Strand	-
Start	1	End	605
Name	OJ990616_07.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	605
GI	4680179	Score	1028
Exons	1..605		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20567	Seq. ID	OJ990616_07.9C03.C13
Gene No.	42876	Strand	-
Start	1	End	605
Name	OJ990616_07.9C03.C13.o1.gs	Method	GENSCAN
Start	163	End	605
GI	none	Score	.63
Exons	163..605		

Seq. No.	20567	Seq. ID	OJ990616_07.9C03.C13
Gene No.	42877	Strand	-
Start	859	End	3099
Name	OJ990616_07.9C03.C13.o2.gs	Method	GENSCAN
Start	859	End	3099
GI	none	Score	.73
Exons	859..1746, 2995..3099		

Seq. No.	20567	Seq. ID	OJ990616_07.9C03.C13
Gene No.	42877	Strand	-
Start	859	End	3099
Name	OJ990616_07.9C03.C13.o2.np	Method	AAT/NAP
Start	862	End	1680
GI	5042448	Score	1164
Exons	862..1680		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	20567	Seq. ID	OJ990616_07.9C03.C13
Gene No.	42878	Strand	-
Start	3515	End	5340
Name	OJ990616_07.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	1	End	338
GI	none	Score	82
Exons	1..213, 3..308, 3..338, 238..312		

Seq. No.	20567	Seq. ID	OJ990616_07.9C03.C13
Gene No.	42878	Strand	-
Start	3515	End	5340
Name	OJ990616_07.9C03.C13.o3.np	Method	AAT/NAP
Start	3515	End	5340
GI	6523547	Score	343
Exons	3515..3558, 4109..4507, 4549..5340		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	20567	Seq. ID	OJ990616_07.9C03.C13
Gene No.	42878	Strand	-
Start	3515	End	5340
Name	OJ990616_07.9C03.C13.o3.gs	Method	GENSCAN
Start	3979	End	5177
GI	none	Score	.54
Exons	3979..4598, 4987..5177		

Seq. No.	20568	Seq. ID	OJ990616_07.9C03.C14
Gene No.	42879	Strand	+
Start	1	End	1510
Name	OJ990616_07.9C03.C14.o2.np	Method	AAT/NAP
Start	1	End	597

GI	4680183	Score	126
Exons	1..71, 508..597		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	20568	Seq. ID	OJ990616_07.9C03.C14
Gene No.	42879	Strand	+
Start	1	End	1510
Name	OJ990616_07.9C03.C14.o1.gs	Method	GENSCAN
Start	477	End	1510
GI	none	Score	.89
Exons	477..553, 1249..1510		

Seq. No.	20568	Seq. ID	OJ990616_07.9C03.C14
Gene No.	42880	Strand	-
Start	1	End	475
Name	OJ990616_07.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	475
GI	6721561	Score	78
Exons	1..85, 389..475		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20569	Seq. ID	OJ990616_07.9C03.C15
Gene No.	42881	Strand	+
Start	1	End	1754
Name	OJ990616_07.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	1754
GI	6063554	Score	285
Exons	1..38, 219..438, 908..935, 1579..1754		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20569	Seq. ID	OJ990616_07.9C03.C15
Gene No.	42881	Strand	+
Start	1	End	1754
Name	OJ990616_07.9C03.C15.o1.gs	Method	GENSCAN
Start	300	End	563
GI	none	Score	.76
Exons	300..438, 480..563		

Seq. No.	20569	Seq. ID	OJ990616_07.9C03.C15
Gene No.	42882	Strand	-
Start	402	End	1130
Name	OJ990616_07.9C03.C15.o1.gp	Method	AAT/GAP
Start	402	End	1130
GI	101153_1.R1084	Score	428
Exons	402..426, 891..1130		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20569	Seq. ID	OJ990616_07.9C03.C15
Gene No.	42883	Strand	-
Start	1917	End	2207

Name	OJ990616_07.9C03.C15.o2.gs	Method	GENSCAN
Start	1917	End	2207
GI	none	Score	.46
Exons	1917..2207		

Seq. No.	20569	Seq. ID	OJ990616_07.9C03.C15
Gene No.	42884	Strand	-
Start	2122	End	2378
Name	OJ990616_07.9C03.C15.o2.gp	Method	AAT/GAP
Start	2122	End	2378
GI	61605_3.R1084	Score	457
Exons	2122..2378		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	20570	Seq. ID	OJ990616_07.9C03.C16
Gene No.	42885	Strand	+
Start	1	End	314
Name	OJ990616_07.9C03.C16.o1.gp	Method	AAT/GAP
Start	1	End	314
GI	61605_3.R1084	Score	453
Exons	1..314		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	20570	Seq. ID	OJ990616_07.9C03.C16
Gene No.	42886	Strand	-
Start	1256	End	1688
Name	OJ990616_07.9C03.C16.o1.gs	Method	GENSCAN
Start	1256	End	1644
GI	none	Score	.97
Exons	1256..1644		

Seq. No.	20570	Seq. ID	OJ990616_07.9C03.C16
Gene No.	42886	Strand	-
Start	1256	End	1688
Name	OJ990616_07.9C03.C16.o1.np	Method	AAT/NAP
Start	1259	End	1688
GI	4680179	Score	603
Exons	1259..1688		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20570	Seq. ID	OJ990616_07.9C03.C16
Gene No.	42886	Strand	-
Start	1256	End	1688
Name	OJ990616_07.9C03.C16.o1.tw	Method	TBLASTX:Wheat
Start	1304	End	1688
GI	none	Score	150
Exons	1304..1687, 1325..1684, 1368..1688		

Seq. No.	20570	Seq. ID	OJ990616_07.9C03.C16
Gene No.	42886	Strand	-
Start	1256	End	1688
Name	OJ990616_07.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	1400	End	1661
GI	none	Score	181
Exons	1400..1657, 1401..1661		

Seq. No.	20571	Seq. ID	OJ990616_07.9C03.C17
Gene No.	42887	Strand	+
Start	1	End	722
Name	OJ990616_07.9C03.C17.o1.np	Method	AAT/NAP
Start	1	End	719
GI	4680179	Score	940
Exons	1..719		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20571	Seq. ID	OJ990616_07.9C03.C17
Gene No.	42887	Strand	+
Start	1	End	722
Name	OJ990616_07.9C03.C17.o2.tw	Method	TBLASTX:Wheat
Start	41	End	248
GI	none	Score	46
Exons	41..106, 41..244, 42..248		

Seq. No.	20571	Seq. ID	OJ990616_07.9C03.C17
Gene No.	42887	Strand	+
Start	1	End	722
Name	OJ990616_07.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	53	End	494
GI	none	Score	56
Exons	53..121, 53..478, 54..494		

Seq. No.	20571	Seq. ID	OJ990616_07.9C03.C17
Gene No.	42887	Strand	+
Start	1	End	722
Name	OJ990616_07.9C03.C17.o1.gs	Method	GENSCAN
Start	69	End	722
GI	none	Score	.98
Exons	69..722		

Seq. No.	20571	Seq. ID	OJ990616_07.9C03.C17
Gene No.	42887	Strand	+
Start	1	End	722
Name	OJ990616_07.9C03.C17.o1.tw	Method	TBLASTX:Wheat
Start	252	End	674
GI	none	Score	400
Exons	252..674, 287..574		

Seq. No.	20572	Seq. ID	OJ990616_07.9C03.C19
Gene No.	42888	Strand	-
Start	153	End	387
Name	OJ990616_07.9C03.C19.o1.gs	Method	GENSCAN
Start	153	End	387
GI	none	Score	.43
Exons	153..387		

Seq. No.	20573	Seq. ID	OJ990616_07.9C03.C20
Gene No.	42889	Strand	+
Start	1	End	922
Name	OJ990616_07.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	922
GI	5295955	Score	199
Exons	1..806, 868..922		

GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	20573	Seq. ID	OJ990616_07.9C03.C20
Gene No.	42890	Strand	-
Start	61	End	833
Name	OJ990616_07.9C03.C20.o1.gs	Method	GENSCAN
Start	61	End	833
GI	none	Score	.8
Exons	61..152, 280..435, 782..833		
Seq. No.	20574	Seq. ID	OJ990616_07.9C03.C21
Gene No.	42891	Strand	-
Start	1	End	449
Name	OJ990616_07.9C03.C21.o1.np	Method	AAT/NAP
Start	1	End	449
GI	4680179	Score	218
Exons	1..35, 276..449		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	20574	Seq. ID	OJ990616_07.9C03.C21
Gene No.	42891	Strand	-
Start	1	End	449
Name	OJ990616_07.9C03.C21.o1.gs	Method	GENSCAN
Start	253	End	396
GI	none	Score	.99
Exons	253..396		
Seq. No.	20574	Seq. ID	OJ990616_07.9C03.C21
Gene No.	42891	Strand	-
Start	1	End	449
Name	OJ990616_07.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	261	End	426
GI	none	Score	93
Exons	261..425, 265..426, 278..421		
Seq. No.	20574	Seq. ID	OJ990616_07.9C03.C21
Gene No.	42891	Strand	-
Start	1	End	449
Name	OJ990616_07.9C03.C21.o1.tw	Method	TBLASTX:Wheat
Start	274	End	447
GI	none	Score	81
Exons	274..420, 277..447, 278..436		
Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o1.np	Method	AAT/NAP
Start	1	End	1203
GI	4680179	Score	1428
Exons	1..1203		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o2.tw	Method	TBLASTX:Wheat

Start	18	End	426
GI	none	Score	111
Exons	18..203, 25..129, 162..215, 258..371, 259..426		

Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o1.gs	Method	GENSCAN
Start	313	End	1132
GI	none	Score	.44
Exons	313..1132		

Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	537	End	1023
GI	none	Score	52
Exons	537..980, 541..591, 646..1023		

Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o1.tm	Method	TBLASTX:Maize
Start	646	End	1077
GI	none	Score	361
Exons	646..1077, 685..864, 876..1070		

Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o1.tc	Method	TBLASTX:Cress
Start	670	End	987
GI	none	Score	182
Exons	670..987		

Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o1.ts	Method	TBLASTX:Soybean
Start	964	End	1203
GI	none	Score	57
Exons	964..996, 966..995, 1000..1203, 1002..1040, 1068..1202		

Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o3.tw	Method	TBLASTX:Wheat
Start	1072	End	1203
GI	none	Score	175
Exons	1072..1203, 1074..1202		

Seq. No.	20575	Seq. ID	OJ990616_07.9C03.C22
Gene No.	42892	Strand	+
Start	1	End	1203
Name	OJ990616_07.9C03.C22.o2.tm	Method	TBLASTX:Maize
Start	1078	End	1203

GI	none	Score	175
Exons	1078..1203, 1078..1200, 1083..1202		

Seq. No.	20576	Seq. ID	OJ990616_07.9C03.C23
Gene No.	42893	Strand	+
Start	1	End	776
Name	OJ990616_07.9C03.C23.o1.np	Method	AAT/NAP
Start	1	End	776
GI	4680186	Score	328
Exons	1..76, 568..776		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20576	Seq. ID	OJ990616_07.9C03.C23
Gene No.	42894	Strand	-
Start	327	End	709
Name	OJ990616_07.9C03.C23.o1.gp	Method	AAT/GAP
Start	327	End	709
GI	uC-osflcyp033a04b1	Score	700
Exons	327..709		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20577	Seq. ID	OJ990616_07.9C03.C25
Gene No.	42895	Strand	-
Start	1	End	653
Name	OJ990616_07.9C03.C25.o1.np	Method	AAT/NAP
Start	1	End	653
GI	4680179	Score	665
Exons	1..653		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20577	Seq. ID	OJ990616_07.9C03.C25
Gene No.	42895	Strand	-
Start	1	End	653
Name	OJ990616_07.9C03.C25.o1.tw	Method	TBLASTX:Wheat
Start	10	End	361
GI	none	Score	112
Exons	10..360, 167..361		

Seq. No.	20577	Seq. ID	OJ990616_07.9C03.C25
Gene No.	42895	Strand	-
Start	1	End	653
Name	OJ990616_07.9C03.C25.o1.gs	Method	GENSCAN
Start	22	End	553
GI	none	Score	1
Exons	22..553		

Seq. No.	20577	Seq. ID	OJ990616_07.9C03.C25
Gene No.	42895	Strand	-
Start	1	End	653
Name	OJ990616_07.9C03.C25.o1.tm	Method	TBLASTX:Maize
Start	55	End	360
GI	none	Score	90
Exons	55..360, 230..346		

Seq. No.	20577	Seq. ID	OJ990616_07.9C03.C25
Gene No.	42895	Strand	-

Start	1	End	653
Name	OJ990616_07.9C03.C25.o2.tw	Method	TBLASTX:Wheat
Start	395	End	620
GI	none	Score	88
Exons	395..571, 397..591, 600..620		

Seq. No.	20578	Seq. ID	OJ990616_07.9C03.C29
Gene No.	42896	Strand	+
Start	619	End	1325
Name	OJ990616_07.9C03.C29.o1.np	Method	AAT/NAP
Start	619	End	1325
GI	5852180	Score	401
Exons	619..739, 791..1325		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	20578	Seq. ID	OJ990616_07.9C03.C29
Gene No.	42897	Strand	-
Start	300	End	1306
Name	OJ990616_07.9C03.C29.o1.gs	Method	GENSCAN
Start	300	End	1306
GI	none	Score	.91
Exons	300..385, 680..866, 932..1306		

Seq. No.	20579	Seq. ID	OJ990616_07.9C03.C30
Gene No.	42898	Strand	-
Start	1	End	1330
Name	OJ990616_07.9C03.C30.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	4680179	Score	1712
Exons	1..1020, 1046..1330		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20579	Seq. ID	OJ990616_07.9C03.C30
Gene No.	42898	Strand	-
Start	1	End	1330
Name	OJ990616_07.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	1	End	549
GI	none	Score	189
Exons	1..390, 2..391, 323..391, 386..544, 388..549, 395..541		

Seq. No.	20579	Seq. ID	OJ990616_07.9C03.C30
Gene No.	42898	Strand	-
Start	1	End	1330
Name	OJ990616_07.9C03.C30.o1.gs	Method	GENSCAN
Start	16	End	1104
GI	none	Score	.4
Exons	16..1104		

Seq. No.	20579	Seq. ID	OJ990616_07.9C03.C30
Gene No.	42898	Strand	-
Start	1	End	1330
Name	OJ990616_07.9C03.C30.o1.tw	Method	TBLASTX:Wheat
Start	103	End	729
GI	none	Score	54
Exons	103..729, 106..219, 215..673		

Seq. No.	20579	Seq. ID	OJ990616_07.9C03.C30

Gene No.	42898	Strand	-
Start	1	End	1330
Name	OJ990616_07.9C03.C30.o2.tm	Method	TBLASTX:Maize
Start	598	End	890
GI	none	Score	229
Exons	598..888, 602..889, 702..890		

Seq. No.	20579	Seq. ID	OJ990616_07.9C03.C30
Gene No.	42898	Strand	-
Start	1	End	1330
Name	OJ990616_07.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	688	End	948
GI	none	Score	145
Exons	688..948, 689..943, 727..945		

Seq. No.	20579	Seq. ID	OJ990616_07.9C03.C30
Gene No.	42898	Strand	-
Start	1	End	1330
Name	OJ990616_07.9C03.C30.o1.tc	Method	TBLASTX:Cress
Start	712	End	1020
GI	none	Score	85
Exons	712..855, 713..853, 856..1020		

Seq. No.	20579	Seq. ID	OJ990616_07.9C03.C30
Gene No.	42898	Strand	-
Start	1	End	1330
Name	OJ990616_07.9C03.C30.o2.tw	Method	TBLASTX:Wheat
Start	736	End	1297
GI	none	Score	246
Exons	736..1020, 737..1021, 1046..1297, 1061..1225, 1074..1241		

Seq. No.	20580	Seq. ID	OJ990616_07.9C03.C31
Gene No.	42899	Strand	-
Start	1	End	397
Name	OJ990616_07.9C03.C31.o1.np	Method	AAT/NAP
Start	1	End	376
GI	4512242	Score	608
Exons	1..376		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	20580	Seq. ID	OJ990616_07.9C03.C31
Gene No.	42899	Strand	-
Start	1	End	397
Name	OJ990616_07.9C03.C31.o1.tw	Method	TBLASTX:Wheat
Start	1	End	323
GI	none	Score	153
Exons	1..297, 2..313, 2..322, 3..323		

Seq. No.	20580	Seq. ID	OJ990616_07.9C03.C31
Gene No.	42899	Strand	-
Start	1	End	397
Name	OJ990616_07.9C03.C31.o1.tm	Method	TBLASTX:Maize
Start	5	End	397
GI	none	Score	194
Exons	5..397, 15..359		

Seq. No.	20580	Seq. ID	OJ990616_07.9C03.C31

Gene No.	42899	Strand	-
Start	1	End	397
Name	OJ990616_07.9C03.C31.o1.ts	Method	TBLASTX:Soybean
Start	41	End	286
GI	none	Score	97
Exons	41..286, 42..284		

Seq. No.	20581	Seq. ID	OJ990616_07.9C03.C32
Gene No.	42900	Strand	+
Start	1	End	727
Name	OJ990616_07.9C03.C32.o1.gp	Method	AAT/GAP
Start	1	End	288
GI	69014_1.R1084	Score	511
Exons	1..288		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	20581	Seq. ID	OJ990616_07.9C03.C32
Gene No.	42900	Strand	+
Start	1	End	727
Name	OJ990616_07.9C03.C32.o1.gs	Method	GENSCAN
Start	110	End	727
GI	none	Score	.78
Exons	110..590, 642..727		

Seq. No.	20582	Seq. ID	OJ990616_07.9C03.C33
Gene No.	42901	Strand	
Start	1	End	476
Name	OJ990616_07.9C03.C33.o2.tm	Method	TBLASTX:Maize
Start	1	End	284
GI	none	Score	53
Exons	1..42, 39..284		

Seq. No.	20582	Seq. ID	OJ990616_07.9C03.C33
Gene No.	42901	Strand	
Start	1	End	476
Name	OJ990616_07.9C03.C33.o1.tw	Method	TBLASTX:Wheat
Start	108	End	476
GI	none	Score	138
Exons	108..299, 351..476, 357..476		

Seq. No.	20582	Seq. ID	OJ990616_07.9C03.C33
Gene No.	42902	Strand	
Start	555	End	848
Name	OJ990616_07.9C03.C33.o1.tm	Method	TBLASTX:Maize
Start	555	End	848
GI	none	Score	171
Exons	555..743, 590..751, 747..848		

Seq. No.	20583	Seq. ID	OJ990616_07.9C03.C35
Gene No.	42903	Strand	+
Start	482	End	759
Name	OJ990616_07.9C03.C35.o1.gp	Method	AAT/GAP
Start	482	End	759
GI	uC-osf1cyp033a04b1	Score	517
Exons	482..759		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	20583	Seq. ID	OJ990616_07.9C03.C35
Gene No.	42904	Strand	-
Start	415	End	759
Name	OJ990616_07.9C03.C35.o1.np	Method	AAT/NAP
Start	415	End	759
GI	4680186	Score	333
Exons	415..614, 679..759		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	20584	Seq. ID	OJ990616_07.9C03.C36
Gene No.	42905	Strand	-
Start	1	End	315
Name	OJ990616_07.9C03.C36.o1.np	Method	AAT/NAP
Start	1	End	249
GI	5042448	Score	424
Exons	1..249		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	20584	Seq. ID	OJ990616_07.9C03.C36
Gene No.	42905	Strand	-
Start	1	End	315
Name	OJ990616_07.9C03.C36.o1.gs	Method	GENSCAN
Start	17	End	315
GI	none	Score	.41
Exons	17..315		
Seq. No.	20585	Seq. ID	OJ990406_07.9C10.C1
Gene No.	42906	Strand	-
Start	199	End	451
Name	OJ990406_07.9C10.C1.o1.gs	Method	GENSCAN
Start	199	End	451
GI	none	Score	.54
Exons	199..248, 323..451		
Seq. No.	20586	Seq. ID	OJ990406_07.9C10.C2
Gene No.	42907	Strand	+
Start	6	End	1155
Name	OJ990406_07.9C10.C2.o1.np	Method	AAT/NAP
Start	6	End	1155
GI	5922623	Score	128
Exons	6..245, 413..488, 1125..1155		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	20586	Seq. ID	OJ990406_07.9C10.C2
Gene No.	42908	Strand	-
Start	222	End	947
Name	OJ990406_07.9C10.C2.o1.gs	Method	GENSCAN
Start	222	End	947
GI	none	Score	.59
Exons	222..331, 509..603, 864..947		

Seq. No.	20587	Seq. ID	OJ990406_07.9C10.C3
Gene No.	42909	Strand	-
Start	1	End	327
Name	OJ990406_07.9C10.C3.o1.gp	Method	AAT/GAP
Start	1	End	327
GI	3767459	Score	647
Exons	1..327		
GI Descrip.	4314371/gb|AAD15582| 1.0e-41 (AC006340) putative G9a protein [Arabidopsis thaliana]		

Seq. No.	20587	Seq. ID	OJ990406_07.9C10.C3
Gene No.	42909	Strand	-
Start	1	End	327
Name	OJ990406_07.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	327
GI	3668088	Score	242
Exons	1..216, 292..327		
GI Descrip.	(AC004667) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	20587	Seq. ID	OJ990406_07.9C10.C3
Gene No.	42909	Strand	-
Start	1	End	327
Name	OJ990406_07.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	182
GI	none	Score	140
Exons	1..171, 2..163, 2..178, 9..182		

Seq. No.	20587	Seq. ID	OJ990406_07.9C10.C3
Gene No.	42909	Strand	-
Start	1	End	327
Name	OJ990406_07.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	8	End	297
GI	none	Score	156
Exons	8..178, 9..179, 10..183, 140..208, 166..222, 166..228, 186..287, 208..297, 209..295		

Seq. No.	20587	Seq. ID	OJ990406_07.9C10.C3
Gene No.	42909	Strand	-
Start	1	End	327
Name	OJ990406_07.9C10.C3.o1.gs	Method	GENSCAN
Start	70	End	231
GI	none	Score	.89
Exons	70..231		

Seq. No.	20588	Seq. ID	OJ990406_07.9C10.C4
Gene No.	42910	Strand	-
Start	1	End	147
Name	OJ990406_07.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	147
GI	3341696	Score	82
Exons	1..147		
GI Descrip.	(AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	20589	Seq. ID	OJ990406_07.9C10.C7
Gene No.	42911	Strand	-
Start	1	End	659

Name	OJ990406_07.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	659
GI	3341697	Score	147
Exons	1..32, 106..174, 532..659		
GI Descrip.	(AC003672) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20589	Seq. ID	OJ990406_07.9C10.C7
Gene No.	42911	Strand	-
Start	1	End	659
Name	OJ990406_07.9C10.C7.o1.gs	Method	GENSCAN
Start	106	End	579
GI	none	Score	.87
Exons	106..174, 532..579		

Seq. No.	20589	Seq. ID	OJ990406_07.9C10.C7
Gene No.	42911	Strand	-
Start	1	End	659
Name	OJ990406_07.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	106	End	648
GI	none	Score	75
Exons	106..174, 110..175, 535..648, 536..643		

Seq. No.	20590	Seq. ID	OJ990406_07.9C10.C9
Gene No.	42912	Strand	+
Start	262	End	297
Name	OJ990406_07.9C10.C9.o1.gs	Method	GENSCAN
Start	262	End	297
GI	none	Score	.51
Exons	262..297		

Seq. No.	20591	Seq. ID	OJ990406_07.9C10.C11
Gene No.	42913	Strand	+
Start	1	End	665
Name	OJ990406_07.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	665
GI	5441889	Score	757
Exons	1..236, 342..665		
GI Descrip.	(AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]		

Seq. No.	20591	Seq. ID	OJ990406_07.9C10.C11
Gene No.	42913	Strand	+
Start	1	End	665
Name	OJ990406_07.9C10.C11.o1.gp	Method	AAT/GAP
Start	42	End	271
GI	uC-osf1M202037f09b1	Score	339
Exons	42..271		
GI Descrip.	'5441889/dbj|BAA82387.1| 7.0e-49 (AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]'		

Seq. No.	20591	Seq. ID	OJ990406_07.9C10.C11
Gene No.	42913	Strand	+
Start	1	End	665

Name	OJ990406_07.9C10.C11.o1.ts	Method	TBLASTX:Soybean
Start	42	End	665
GI	none	Score	148
Exons	42..164, 43..165, 56..166, 60..170, 144..236, 148..237, 172..240, 313..663, 341..631, 354..665		

Seq. No.	20591	Seq. ID	OJ990406_07.9C10.C11
Gene No.	42913	Strand	+
Start	1	End	665
Name	OJ990406_07.9C10.C11.o1.tc	Method	TBLASTX:Cress
Start	43	End	570
GI	none	Score	54
Exons	43..81, 43..81, 83..223, 88..237, 99..236, 100..240, 313..570, 357..569		

Seq. No.	20591	Seq. ID	OJ990406_07.9C10.C11
Gene No.	42913	Strand	+
Start	1	End	665
Name	OJ990406_07.9C10.C11.o1.gs	Method	GENSCAN
Start	114	End	596
GI	none	Score	.89
Exons	114..236, 342..596		

Seq. No.	20591	Seq. ID	OJ990406_07.9C10.C11
Gene No.	42913	Strand	+
Start	1	End	665
Name	OJ990406_07.9C10.C11.o2.tm	Method	TBLASTX:Maize
Start	121	End	375
GI	none	Score	182
Exons	121..237, 122..205, 126..236, 343..375		

Seq. No.	20591	Seq. ID	OJ990406_07.9C10.C11
Gene No.	42913	Strand	+
Start	1	End	665
Name	OJ990406_07.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	523	End	665
GI	none	Score	217
Exons	523..663, 528..665, 528..665		

Seq. No.	20592	Seq. ID	OJ990406_07.9C10.C12
Gene No.	42914	Strand	-
Start	446	End	653
Name	OJ990406_07.9C10.C12.o1.gp	Method	AAT/GAP
Start	446	End	653
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	446..469, 584..653		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o1.gs	Method	GENSCAN
Start	1658	End	7803
GI	none	Score	.6
Exons	1658..1720, 2512..2654, 3062..3643, 3736..3775, 4918..5066,		

5111..5156, 5718..5810, 6232..6478, 6547..6619, 6846..6912,
7166..7216, 7521..7613, 7702..7803

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o1.gp	Method	AAT/GAP
Start	2711	End	3224
GI	uC-osf1M202069a07a1	Score	682
Exons	2711..2882, 3038..3224		
GI Descrip.	'2262171 1.0e-14 (AC002329) putative RNA/ssDNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o1.np	Method	AAT/NAP
Start	3111	End	7794
GI	6642669	Score	653
Exons	3111..3643, 3736..3775, 4930..4986, 5070..5156, 5718..5815, 6240..6549, 6779..6912, 7166..7216, 7521..7613, 7702..7794		
GI Descrip.	(AC015450) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o2.gp	Method	AAT/GAP
Start	3440	End	3660
GI	3107379	Score	391
Exons	3440..3660		
GI Descrip.	2262171 1.0e-14 (AC002329) putative RNA/ssDNA-binding protein [Arabidopsis thaliana]		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o2.ts	Method	TBLASTX:Soybean
Start	3504	End	5156
GI	none	Score	188
Exons	3504..3647, 3555..3647, 4916..4981, 4921..4983, 4929..4982, 5109..5156, 5111..5155		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	3519	End	6923
GI	none	Score	214
Exons	3519..3641, 3521..3646, 3522..3647, 3733..3777, 3734..3778, 3736..3804, 3737..3778, 4921..4983, 4929..4979, 5110..5160, 5112..5156, 5113..5160, 5695..5811, 5715..5813, 5715..5813, 6231..6329, 6234..6353, 6235..6351, 6444..6476, 6444..6479, 6445..6483, 6546..6620, 6546..6623, 6818..6919, 6844..6921, 6846..6923, 6846..6920		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+

Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o3.gp	Method	AAT/GAP
Start	6453	End	8613
GI	12716_1.R1084	Score	1481
Exons	6453..6478, 6547..6619, 6846..6912, 7166..7216, 7521..7613, 7702..7836, 8204..8613		
GI Descrip.	'2262172 1.0e-41 (AC002329) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o2.tm	Method	TBLASTX:Maize
Start	7144	End	7788
GI	none	Score	95
Exons	7144..7218, 7145..7222, 7167..7223, 7518..7616, 7518..7613, 7520..7615, 7699..7788, 7701..7787		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	7514	End	7802
GI	none	Score	48
Exons	7514..7555, 7518..7553, 7562..7615, 7563..7631, 7699..7794, 7701..7802		

Seq. No.	20593	Seq. ID	OJ990406_07.9C10.C14
Gene No.	42915	Strand	+
Start	1658	End	8613
Name	OJ990406_07.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	7526	End	7800
GI	none	Score	145
Exons	7526..7615, 7527..7616, 7699..7800, 7701..7790		

Seq. No.	20594	Seq. ID	OJ990406_07.9C10.C15
Gene No.	42916	Strand	+
Start	1	End	278
Name	OJ990406_07.9C10.C15.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	12716_1.R1084	Score	465
Exons	1..278		
GI Descrip.	'2262172 1.0e-41 (AC002329) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	20594	Seq. ID	OJ990406_07.9C10.C15
Gene No.	42917	Strand	-
Start	949	End	1371
Name	OJ990406_07.9C10.C15.o1.gs	Method	GENSCAN
Start	949	End	1371
GI	none	Score	.99
Exons	949..1371		

Seq. No.	20595	Seq. ID	OJ990406_07.9C10.C16
Gene No.	42918	Strand	+
Start	94	End	267
Name	OJ990406_07.9C10.C16.o1.gs	Method	GENSCAN

Start	94	End	267
GI	none	Score	.64
Exons	94..267		

Seq. No.	20595	Seq. ID	OJ990406_07.9C10.C16
Gene No.	42919	Strand	-
Start	3519	End	4259
Name	OJ990406_07.9C10.C16.o2.gs	Method	GENSCAN
Start	3519	End	4134
GI	none	Score	.62
Exons	3519..3587, 3853..4134		

Seq. No.	20595	Seq. ID	OJ990406_07.9C10.C16
Gene No.	42919	Strand	-
Start	3519	End	4259
Name	OJ990406_07.9C10.C16.o1.np	Method	AAT/NAP
Start	3540	End	4259
GI	4580472	Score	301
Exons	3540..3587, 3853..4259		
GI Descrip.	(AC006081) CDC27/NUC2-like protein [Arabidopsis thaliana]		

Seq. No.	20595	Seq. ID	OJ990406_07.9C10.C16
Gene No.	42919	Strand	-
Start	3519	End	4259
Name	OJ990406_07.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	3549	End	4143
GI	none	Score	310
Exons	3549..3590, 3853..4143, 3855..4136		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42920	Strand	+
Start	15834	End	18052
Name	OJ990406_07.9C10.C17.o2.gs	Method	GENSCAN
Start	15834	End	17819
GI	none	Score	.84
Exons	15834..16480, 16884..17104, 17482..17544, 17566..17819		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42920	Strand	+
Start	15834	End	18052
Name	OJ990406_07.9C10.C17.o2.gp	Method	AAT/GAP
Start	15983	End	16536
GI	none	Score	908
Exons	15983..16536		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42920	Strand	+
Start	15834	End	18052
Name	OJ990406_07.9C10.C17.o3.gp	Method	AAT/GAP
Start	16883	End	18052
GI	9342_1.R1084	Score	1272
Exons	16883..17104, 17566..18052		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 9.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42921	Strand	+

Start	20223	End	27849
Name	OJ990406_07.9C10.C17.o3.np	Method	AAT/NAP
Start	20217	End	27846
GI	5441889	Score	6079
Exons	20217..21229, 22187..22504, 22713..23040, 23182..23604, 23677..23969, 24049..24322, 24573..25075, 25181..25502, 25592..25937, 26056..26714, 27241..27846		
GI Descrip.	(AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42921	Strand	+
Start	20223	End	27849
Name	OJ990406_07.9C10.C17.o3.gs	Method	GENSCAN
Start	20223	End	27849
GI	none	Score	.92
Exons	20223..21229, 22187..22504, 22680..23040, 23182..23604, 23677..23969, 24049..24322, 24573..25075, 25181..25502, 25592..25937, 26056..26714, 27241..27849		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42921	Strand	+
Start	20223	End	27849
Name	OJ990406_07.9C10.C17.o5.gp	Method	AAT/GAP
Start	24737	End	25110
GI	uC-osf1M202037f09b1	Score	606
Exons	24737..25110		
GI Descrip.	'5441889/dbj|BAA82387.1| 7.0e-49 (AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]'		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42922	Strand	-
Start	1	End	13634
Name	OJ990406_07.9C10.C17.o1.np	Method	AAT/NAP
Start	1	End	5248
GI	4580472	Score	897
Exons	1..250, 370..489, 769..845, 933..1052, 1833..1898, 1977..2155, 3018..3294, 4276..4422, 5015..5248		
GI Descrip.	(AC006081) CDC27/NUC2-like protein [Arabidopsis thaliana]		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42922	Strand	-
Start	1	End	13634
Name	OJ990406_07.9C10.C17.o2.np	Method	AAT/NAP
Start	1	End	8616
GI	2062171	Score	821
Exons	1..250, 370..489, 769..845, 933..1052, 1833..1898, 1977..2155, 3051..3373, 5002..5360, 5932..6033, 6139..6185, 7054..7146, 8509..8616		
GI Descrip.	(AC001645) DNA binding protein (CDC27SH) isolog [Arabidopsis thaliana]		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17

Gene No.	42922	Strand	-
Start	1	End	13634
Name	OJ990406_07.9C10.C17.o1.gs	Method	GENSCAN
Start	31	End	13634
GI	none	Score	.64
Exons	31..250, 769..845, 933..1052, 1977..2191, 3054..3113, 3162..3294, 4276..4422, 5015..5310, 5936..6033, 6139..6185, 7054..7163, 7377..7449, 8509..8662, 12445..12952, 12989..13487, 13584..13634		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42922	Strand	-
Start	1	End	13634
Name	OJ990406_07.9C10.C17.o1.gp	Method	AAT/GAP
Start	78	End	512
GI	uC-osf1M202094e01b1	Score	553
Exons	78..250, 370..512		
GI Descrip.	'4580472/gb|AAD24396.1|AC006081_18 1.0e-43 (AC006081) DNA binding protein;similar to CDC27 and nuclear scaffold proteins [Arabidopsis thaliana]'		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o2.tm	Method	TBLASTX:Maize
Start	31	End	821
GI	none	Score	304
Exons	31..249, 40..249, 41..268, 366..488, 367..489, 373..489, 766..819, 768..818, 768..821		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o6.tc	Method	TBLASTX:Cress
Start	52	End	1025
GI	none	Score	145
Exons	52..249, 53..244, 432..488, 768..935, 933..1025		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o3.ts	Method	TBLASTX:Soybean
Start	53	End	449
GI	none	Score	198
Exons	53..250, 55..309, 55..249, 108..254, 363..449, 364..447		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o7.ts	Method	TBLASTX:Soybean
Start	16865	End	17099
GI	none	Score	88
Exons	16865..17047, 16875..16955, 16882..17073, 16984..17046, 17073..17099		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-

Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o4.tm	Method	TBLASTX:Maize
Start	16872	End	17624
GI	none	Score	341
Exons	16872..16955, 16873..17103, 16961..17107, 17532..17615, 17558..17617, 17565..17624, 17567..17620		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o2.tc	Method	TBLASTX:Cress
Start	22185	End	23799
GI	none	Score	169
Exons	22185..22541, 23171..23221, 23259..23597, 23260..23610, 23380..23607, 23674..23799, 23685..23798		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o2.ts	Method	TBLASTX:Soybean
Start	23310	End	23742
GI	none	Score	361
Exons	23310..23603, 23314..23610, 23674..23742		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o3.tc	Method	TBLASTX:Cress
Start	23911	End	24295
GI	none	Score	68
Exons	23911..23970, 24049..24294, 24050..24295		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o5.ts	Method	TBLASTX:Soybean
Start	23911	End	24241
GI	none	Score	64
Exons	23911..23970, 24050..24241, 24070..24240		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	24587	End	25409
GI	none	Score	183
Exons	24587..24724, 24588..24725, 24801..24920, 24803..24919, 24922..25062, 24927..25076, 24938..25075, 25152..25409, 25196..25408		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o6.ts	Method	TBLASTX:Soybean
Start	24600	End	24833
GI	none	Score	162
Exons	24600..24770, 24600..24668, 24605..24733, 24746..24832,		

24753..24833

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	24845	End	25765
GI	none	Score	172
Exons	24845..25003, 24846..25004, 24895..25005, 24899..25009, 24983..25075, 24987..25076, 25011..25079, 25152..25505, 25180..25470, 25181..25507, 25182..25502, 25193..25504, 25583..25735, 25589..25765, 25591..25743		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o5.tm	Method	TBLASTX:Maize
Start	24960	End	25214
GI	none	Score	182
Exons	24960..25076, 24961..25044, 24965..25075, 25182..25214, 25182..25214		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o3.tm	Method	TBLASTX:Maize
Start	25367	End	25945
GI	none	Score	181
Exons	25367..25516, 25368..25523, 25582..25731, 25592..25732, 25613..25732, 25614..25736, 25723..25830, 25733..25831, 25862..25945		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o5.tc	Method	TBLASTX:Cress
Start	25416	End	26201
GI	none	Score	105
Exons	25416..25517, 25592..25819, 25877..25945, 26049..26201		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o8.ts	Method	TBLASTX:Soybean
Start	25868	End	26201
GI	none	Score	64
Exons	25868..25945, 26014..26199, 26049..26201, 26051..26194, 26101..26199		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o6.tm	Method	TBLASTX:Maize
Start	26394	End	26579
GI	none	Score	191
Exons	26394..26579, 26396..26578		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	26580	End	27909
GI	none	Score	118
Exons	26580..26693, 26605..26703, 26652..26723, 27211..27897, 27247..27909		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o4.ts	Method	TBLASTX:Soybean
Start	27316	End	27885
GI	none	Score	182
Exons	27316..27567, 27321..27464, 27612..27884, 27613..27885		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o4.tc	Method	TBLASTX:Cress
Start	27369	End	27777
GI	none	Score	191
Exons	27369..27434, 27370..27564, 27421..27555, 27585..27683, 27619..27777, 27711..27776		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	27575	End	27897
GI	none	Score	329
Exons	27575..27895, 27577..27897, 27612..27884		

Seq. No.	20596	Seq. ID	OJ990406_07.9C10.C17
Gene No.	42923	Strand	-
Start	28396	End	28551
Name	OJ990406_07.9C10.C17.o6.gp	Method	AAT/GAP
Start	28396	End	28551
GI	none	Score	284
Exons	28396..28551		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42924	Strand	+
Start	9800	End	10321
Name	OJ990406_07.9C10.C18.o2.np	Method	AAT/NAP
Start	9800	End	10321
GI	5922636	Score	259
Exons	9800..10321		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42925	Strand	+

Start	22616	End	25351
Name	OJ990406_07.9C10.C18.o4.np	Method	AAT/NAP
Start	22616	End	25351
GI	4680191	Score	40
Exons	22616..22692, 25322..25351		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42926	Strand	-
Start	1	End	255
Name	OJ990406_07.9C10.C18.o1.gp	Method	AAT/GAP
Start	1	End	255
GI	3767763	Score	470
Exons	1..255		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42927	Strand	-
Start	689	End	3766
Name	OJ990406_07.9C10.C18.o1.gs	Method	GENSCAN
Start	689	End	3766
GI	none	Score	.46
Exons	689..715, 1043..1169, 1595..1721, 2907..3222, 3533..3766		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42927	Strand	-
Start	689	End	3766
Name	OJ990406_07.9C10.C18.o1.np	Method	AAT/NAP
Start	826	End	3739
GI	6554473	Score	444
Exons	826..905, 997..1225, 1326..1363, 2760..3030, 3533..3739		
GI Descrip.	(AC012394) putative RNA-binding protein [Arabidopsis thaliana] gi|6642681|gb|AAF20261.1|AC015450_22 (AC015450) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42928	Strand	-
Start	3777	End	4045
Name	OJ990406_07.9C10.C18.o2.gp	Method	AAT/GAP
Start	3777	End	4045
GI	2427920	Score	519
Exons	3777..4045		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42929	Strand	-
Start	10648	End	15233
Name	OJ990406_07.9C10.C18.o3.gs	Method	GENSCAN
Start	10648	End	15233
GI	none	Score	.47
Exons	10648..10783, 10799..10918, 14715..14919, 15137..15233		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42930	Strand	-
Start	15454	End	16451
Name	OJ990406_07.9C10.C18.o4.gs	Method	GENSCAN
Start	15454	End	16451
GI	none	Score	.77

Exons	15454..15986, 16059..16295, 16361..16451		
Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o2.tm	Method	TBLASTX:Maize
Start	1052	End	1710
GI	none	Score	197
Exons	1052..1228, 1054..1242, 1055..1225, 1338..1367, 1593..1709, 1594..1710, 1595..1708, 1596..1697		
Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	2908	End	3706
GI	none	Score	122
Exons	2908..3030, 2912..3031, 3527..3706, 3528..3704		
Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	2932	End	3701
GI	none	Score	102
Exons	2932..3030, 2933..3031, 3527..3700, 3528..3701		
Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o3.tm	Method	TBLASTX:Maize
Start	2948	End	3706
GI	none	Score	85
Exons	2948..3031, 2950..3030, 3528..3686, 3530..3706, 3667..3702		
Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o4.tm	Method	TBLASTX:Maize
Start	11885	End	20043
GI	none	Score	98
Exons	11885..12016, 11889..11987, 14712..14831, 14714..14836, 15138..15233, 15157..15228, 15249..15305, 18925..19065, 18926..19063, 18927..19115, 19440..19538, 19441..19578, 19442..19537, 19513..19632, 19538..19624, 19877..20041, 19879..20043, 19879..20043		
Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o2.ts	Method	TBLASTX:Soybean
Start	11888	End	21584
GI	none	Score	67
Exons	11888..12004, 11892..12005, 14717..14836, 15150..15233, 15252..15305, 15452..15526, 15513..15635, 15575..15640, 15811..15930, 16018..16110, 16093..16146, 16094..16159, 18939..19064, 18940..19059, 19437..19538, 19439..19537,		

19891..20043, 19919..20038, 20321..20512, 20340..20513, 20823..20936, 20823..20984, 20827..20982, 21500..21583, 21501..21584

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	15452	End	21593
GI	none	Score	80
Exons	15452..15640, 15513..15635, 15808..15930, 15812..15913, 16060..16146, 16061..16159, 20310..20507, 20321..20509, 20325..20507, 20814..21023, 20814..20993, 20821..21030, 20822..21022, 21446..21589, 21462..21593		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o4.gp	Method	AAT/GAP
Start	18839	End	19470
GI	LIB3432-032-P2-K1-A10	Score	467
Exons	18839..19065, 19440..19470		
GI Descrip.	'2459446 2.0e-11 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o5.gs	Method	GENSCAN
Start	18933	End	21592
GI	none	Score	.97
Exons	18933..19065, 19440..19626, 19878..20040, 20321..20506, 20823..20992, 21466..21592		

Seq. No.	20597	Seq. ID	OJ990406_07.9C10.C18
Gene No.	42931	Strand	-
Start	18839	End	21593
Name	OJ990406_07.9C10.C18.o3.np	Method	AAT/NAP
Start	18936	End	21589
GI	2459448	Score	731
Exons	18936..19065, 19440..19626, 19878..20040, 20321..20506, 20823..20992, 21466..21589		
GI Descrip.	(AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	20598	Seq. ID	OJ990406_07.9C10.C19
Gene No.	42932	Strand	-
Start	1052	End	3022
Name	OJ990406_07.9C10.C19.o1.gs	Method	GENSCAN
Start	1052	End	3022
GI	none	Score	.86
Exons	1052..2334, 2922..3022		

Seq. No.	20598	Seq. ID	OJ990406_07.9C10.C19
Gene No.	42932	Strand	-
Start	1052	End	3022
Name	OJ990406_07.9C10.C19.o1.np	Method	AAT/NAP

Start	1058	End	2094
GI	6911873	Score	557
Exons	1058..2094		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	20598	Seq. ID	OJ990406_07.9C10.C19
Gene No.	42932	Strand	-
Start	1052	End	3022
Name	OJ990406_07.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	1245	End	1933
GI	none	Score	98
Exons	1245..1361, 1247..1360, 1359..1577, 1388..1576, 1586..1765, 1587..1766, 1602..1769, 1847..1897, 1848..1898, 1898..1933		

Seq. No.	20598	Seq. ID	OJ990406_07.9C10.C19
Gene No.	42932	Strand	-
Start	1052	End	3022
Name	OJ990406_07.9C10.C19.o1.tc	Method	TBLASTX:Cress
Start	1283	End	1963
GI	none	Score	50
Exons	1283..1360, 1284..1361, 1382..1756, 1452..1505, 1551..1751, 1856..1963, 1857..1934		

Seq. No.	20598	Seq. ID	OJ990406_07.9C10.C19
Gene No.	42932	Strand	-
Start	1052	End	3022
Name	OJ990406_07.9C10.C19.o1.ts	Method	TBLASTX:Soybean
Start	1460	End	1940
GI	none	Score	139
Exons	1460..1768, 1539..1763, 1811..1936, 1836..1940		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42933	Strand	+
Start	834	End	1823
Name	OJ990406_07.9C10.C20.o1.gs	Method	GENSCAN
Start	834	End	1823
GI	none	Score	.81
Exons	834..1823		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42934	Strand	+
Start	9089	End	10141
Name	OJ990406_07.9C10.C20.o3.gs	Method	GENSCAN
Start	9089	End	10141
GI	none	Score	.96
Exons	9089..10141		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42934	Strand	+
Start	9089	End	10141
Name	OJ990406_07.9C10.C20.o2.np	Method	AAT/NAP
Start	9098	End	10135
GI	6911873	Score	569
Exons	9098..10135		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20

Gene No.	42935	Strand	+
Start	13131	End	14820
Name	OJ990406_07.9C10.C20.o3.np	Method	AAT/NAP
Start	13131	End	14820
GI	4836899	Score	407
Exons	13131..13151, 14332..14820		
GI Descrip.	(AC007369) Unknown protein [Arabidopsis thaliana] gi|6319180|gb|AAF07197.1|AF194974_1 (AF194974) ESCAROLA [Arabidopsis thaliana]		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42936	Strand	+
Start	14973	End	15181
Name	OJ990406_07.9C10.C20.o2.gp	Method	AAT/GAP
Start	14973	End	15181
GI	none	Score	353
Exons	14973..15181		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o1.tc	Method	TBLASTX:Cress
Start	963	End	9928
GI	none	Score	80
Exons	963..1070, 992..1069, 1170..1664, 1175..1309, 1421..1477, 1559..1663, 9227..9334, 9256..9333, 9434..9928, 9439..9573, 9685..9738, 9823..9927		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o1.ts	Method	TBLASTX:Soybean
Start	986	End	9730
GI	none	Score	141
Exons	986..1090, 990..1115, 1158..1466, 1163..1309, 1421..1447, 9250..9354, 9254..9379, 9422..9730, 9427..9573		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o1.tm	Method	TBLASTX:Maize
Start	993	End	9946
GI	none	Score	50
Exons	993..1028, 1028..1078, 1029..1079, 1157..1324, 1160..1306, 1161..1340, 1290..1343, 1350..1682, 1373..1684, 9292..9342, 9293..9343, 9424..9570, 9425..9604, 9461..9607, 9614..9946, 9637..9939		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o3.ts	Method	TBLASTX:Soybean
Start	1473	End	9955
GI	none	Score	194
Exons	1473..1691, 1496..1678, 9737..9955, 9760..9909		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20

Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o2.gs	Method	GENSCAN
Start	2583	End	8169
GI	none	Score	.78
Exons	2583..2715, 2886..3072, 3967..4129, 5032..5217, 5465..5604, 5781..5926, 6302..6399, 7212..7316, 8140..8169		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o1.np	Method	AAT/NAP
Start	2586	End	5904
GI	2459448	Score	745
Exons	2586..2715, 2886..3075, 3967..4129, 5032..5217, 5438..5604, 5781..5904		
GI Descrip.	(AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o2.tm	Method	TBLASTX:Maize
Start	2969	End	5091
GI	none	Score	125
Exons	2969..3073, 2970..3074, 3005..3085, 3960..4136, 3965..4150, 3966..4136, 5029..5091		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o1.gp	Method	AAT/GAP
Start	4106	End	5858
GI	LIB3474-007-P1-K1-A6	Score	776
Exons	4106..4129, 5032..5217, 5438..5604, 5781..5858		
GI Descrip.	'2459448 2.0e-44 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o4.tm	Method	TBLASTX:Maize
Start	5095	End	5902
GI	none	Score	100
Exons	5095..5217, 5096..5218, 5106..5219, 5423..5605, 5439..5516, 5477..5605, 5479..5607, 5773..5895, 5779..5880, 5780..5902		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o1.tw	Method	TBLASTX:Wheat
Start	5479	End	14681
GI	none	Score	190
Exons	5479..5562, 14349..14591, 14398..14595, 14565..14681		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-

Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o3.tm	Method	TBLASTX:Maize
Start	14343	End	14666
GI	none	Score	74
Exons	14343..14591, 14385..14462, 14398..14592, 14586..14666		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o2.tc	Method	TBLASTX:Cress
Start	14364	End	14583
GI	none	Score	197
Exons	14364..14582, 14398..14583		

Seq. No.	20599	Seq. ID	OJ990406_07.9C10.C20
Gene No.	42937	Strand	-
Start	2583	End	14681
Name	OJ990406_07.9C10.C20.o2.ts	Method	TBLASTX:Soybean
Start	14370	End	14615
GI	none	Score	62
Exons	14370..14615, 14382..14468, 14398..14598		

Seq. No.	20600	Seq. ID	OJ990406_07.9C10.C25
Gene No.	42938	Strand	-
Start	1	End	560
Name	OJ990406_07.9C10.C25.o1.np	Method	AAT/NAP
Start	1	End	560
GI	6630550	Score	44
Exons	1..56, 390..560		
GI Descrip.	(AC011708) putative bZIP transcription factor [Arabidopsis thaliana]		

Seq. No.	20600	Seq. ID	OJ990406_07.9C10.C25
Gene No.	42938	Strand	-
Start	1	End	560
Name	OJ990406_07.9C10.C25.o1.tm	Method	TBLASTX:Maize
Start	328	End	559
GI	none	Score	193
Exons	328..474, 330..557, 332..559, 480..557		

Seq. No.	20600	Seq. ID	OJ990406_07.9C10.C25
Gene No.	42938	Strand	-
Start	1	End	560
Name	OJ990406_07.9C10.C25.o1.gp	Method	AAT/GAP
Start	331	End	553
GI	9342_1.R1084	Score	406
Exons	331..553		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 9.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	20600	Seq. ID	OJ990406_07.9C10.C25
Gene No.	42938	Strand	-
Start	1	End	560
Name	OJ990406_07.9C10.C25.o1.ts	Method	TBLASTX:Soybean
Start	336	End	554
GI	none	Score	38
Exons	336..362, 362..553, 389..451, 480..554		

Seq. No.	20600	Seq. ID	OJ990406_07.9C10.C25
Gene No.	42938	Strand	-
Start	1	End	560
Name	OJ990406_07.9C10.C25.o1.tc	Method	TBLASTX:Cress
Start	383	End	557
GI	none	Score	73
Exons	383..553, 483..557		

Seq. No.	20601	Seq. ID	OJ990406_07.9C10.C26
Gene No.	42939	Strand	+
Start	349	End	2869
Name	OJ990406_07.9C10.C26.o1.gs	Method	GENSCAN
Start	349	End	2869
GI	none	Score	.65
Exons	349..1125, 1963..2013, 2852..2869		

Seq. No.	20601	Seq. ID	OJ990406_07.9C10.C26
Gene No.	42940	Strand	-
Start	1	End	892
Name	OJ990406_07.9C10.C26.o1.np	Method	AAT/NAP
Start	1	End	892
GI	6907106	Score	389
Exons	1..594, 685..892		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20601	Seq. ID	OJ990406_07.9C10.C26
Gene No.	42941	Strand	-
Start	3522	End	4800
Name	OJ990406_07.9C10.C26.o3.np	Method	AAT/NAP
Start	3522	End	4800
GI	6606266	Score	224
Exons	3522..4024, 4361..4800		
GI Descrip.	(AF158634) Vrga1 [Triticum ventricosum]		

Seq. No.	20601	Seq. ID	OJ990406_07.9C10.C26
Gene No.	42941	Strand	-
Start	3522	End	4800
Name	OJ990406_07.9C10.C26.o1.tm	Method	TBLASTX:Maize
Start	3531	End	4046
GI	none	Score	88
Exons	3531..3845, 3552..3830, 3583..3846, 3663..3908, 3795..3980, 3810..4046		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42942	Strand	+
Start	1227	End	1680
Name	OJ990406_07.9C10.C27.o1.gp	Method	AAT/GAP
Start	1227	End	1680
GI	36280_1.R1084	Score	841
Exons	1227..1680		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o1.gs	Method	GENSCAN
Start	850	End	4951
GI	none	Score	.79
Exons	850..1246, 1252..1739, 1779..2383, 2405..2571, 2585..2737, 2803..3180, 3213..4043, 4113..4951		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o2.np	Method	AAT/NAP
Start	853	End	5006
GI	5295971	Score	6928
Exons	853..5006		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o3.ts	Method	TBLASTX:Soybean
Start	877	End	1526
GI	none	Score	46
Exons	877..1110, 1010..1066, 1165..1254, 1193..1231, 1260..1352, 1261..1353, 1365..1526		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o1.tc	Method	TBLASTX:Cress
Start	886	End	1547
GI	none	Score	87
Exons	886..1104, 920..1084, 1171..1251, 1175..1252, 1257..1547, 1258..1353, 1375..1485		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o4.tm	Method	TBLASTX:Maize
Start	887	End	1272
GI	none	Score	229
Exons	887..1087, 887..1213, 889..1272, 889..1260		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o5.tw	Method	TBLASTX:Wheat
Start	916	End	1252
GI	none	Score	75
Exons	916..1119, 928..1110, 1165..1251, 1175..1252		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006

Name	OJ990406_07.9C10.C27.o7.tm	Method	TBLASTX:Maize
Start	1272	End	1464
GI	none	Score	122
Exons	1272..1463, 1282..1464		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o4.tw	Method	TBLASTX:Wheat
Start	1368	End	1679
GI	none	Score	64
Exons	1368..1547, 1572..1679		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o3.tm	Method	TBLASTX:Maize
Start	1464	End	1853
GI	none	Score	382
Exons	1464..1736, 1464..1853, 1534..1851		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o1.tw	Method	TBLASTX:Wheat
Start	1680	End	2235
GI	none	Score	89
Exons	1680..1904, 1890..2234, 1914..2081, 2128..2235		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o1.ts	Method	TBLASTX:Soybean
Start	1905	End	2402
GI	5509260	Score	130
Exons	1905..2402, 1924..2082, 2143..2322		
GI Descrip.	-		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o2.tc	Method	TBLASTX:Cress
Start	2016	End	2280
GI	none	Score	111
Exons	2016..2279, 2017..2280		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o5.tm	Method	TBLASTX:Maize
Start	2055	End	2351
GI	none	Score	137
Exons	2055..2315, 2055..2351, 2056..2325		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006

Name	OJ990406_07.9C10.C27.o2.ts	Method	TBLASTX:Soybean
Start	2850	End	3312
GI	none	Score	65
Exons	2850..2996, 2853..2966, 3021..3302, 3034..3312		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o3.tc	Method	TBLASTX:Cress
Start	2874	End	3293
GI	none	Score	182
Exons	2874..2996, 3018..3293		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o2.tm	Method	TBLASTX:Maize
Start	2934	End	3334
GI	none	Score	495
Exons	2934..3305, 2935..3312, 2935..3312, 2966..3328, 3224..3316, 3293..3334		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o2.gp	Method	AAT/GAP
Start	3007	End	3352
GI	uC-osflcyp139c12a1	Score	533
Exons	3007..3352		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o3.tw	Method	TBLASTX:Wheat
Start	3012	End	3553
GI	none	Score	44
Exons	3012..3092, 3025..3096, 3099..3287, 3199..3270, 3308..3553		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o4.ts	Method	TBLASTX:Soybean
Start	3356	End	3688
GI	none	Score	209
Exons	3356..3688, 3512..3592		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o2.tw	Method	TBLASTX:Wheat
Start	3626	End	4079
GI	none	Score	59
Exons	3626..3718, 3626..3706, 3698..4075, 3713..4078, 3774..4079		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o6.tm	Method	TBLASTX:Maize
Start	3749	End	3989
GI	none	Score	253
Exons	3749..3988, 3750..3989		

Seq. No.	20602	Seq. ID	OJ990406_07.9C10.C27
Gene No.	42943	Strand	-
Start	850	End	5006
Name	OJ990406_07.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	4004	End	4723
GI	none	Score	427
Exons	4004..4429, 4004..4369, 4126..4428, 4434..4466, 4436..4531, 4448..4723, 4449..4706, 4451..4708		

Seq. No.	20603	Seq. ID	OJ990406_07.9C10.C28
Gene No.	42944	Strand	+
Start	8962	End	9394
Name	OJ990406_07.9C10.C28.o2.gp	Method	AAT/GAP
Start	8686	End	9131
GI	none	Score	833
Exons	8686..9131		

Seq. No.	20603	Seq. ID	OJ990406_07.9C10.C28
Gene No.	42944	Strand	+
Start	8962	End	9394
Name	OJ990406_07.9C10.C28.o2.gs	Method	GENSCAN
Start	8962	End	9394
GI	none	Score	.92
Exons	8962..9112, 9384..9394		

Seq. No.	20603	Seq. ID	OJ990406_07.9C10.C28
Gene No.	42945	Strand	-
Start	1	End	332
Name	OJ990406_07.9C10.C28.o1.np	Method	AAT/NAP
Start	1	End	332
GI	5295971	Score	423
Exons	1..332		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	20603	Seq. ID	OJ990406_07.9C10.C28
Gene No.	42946	Strand	-
Start	857	End	2728
Name	OJ990406_07.9C10.C28.o2.np	Method	AAT/NAP
Start	857	End	2322
GI	2792220	Score	601
Exons	857..2322		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	20603	Seq. ID	OJ990406_07.9C10.C28
Gene No.	42946	Strand	-
Start	857	End	2728

Name	OJ990406_07.9C10.C28.o2.ts	Method	TBLASTX:Soybean
Start	1156	End	1485
GI	none	Score	138
Exons	1156..1230, 1255..1317, 1333..1485		

Seq. No.	20603	Seq. ID	OJ990406_07.9C10.C28
Gene No.	42946	Strand	-
Start	857	End	2728
Name	OJ990406_07.9C10.C28.o1.ts	Method	TBLASTX:Soybean
Start	1558	End	2094
GI	none	Score	68
Exons	1558..1827, 1745..1822, 1849..2067, 2053..2094		

Seq. No.	20603	Seq. ID	OJ990406_07.9C10.C28
Gene No.	42946	Strand	-
Start	857	End	2728
Name	OJ990406_07.9C10.C28.o1.tm	Method	TBLASTX:Maize
Start	1921	End	2728
GI	none	Score	157
Exons	1921..1959, 1975..2094, 2185..2538, 2543..2728		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42947	Strand	+
Start	1	End	2776
Name	OJ990406_07.9C10.C29.o1.np	Method	AAT/NAP
Start	1	End	2773
GI	4467127	Score	707
Exons	1..34, 179..500, 2467..2773		
GI Descrip.	(AL035538) expansin-like protein [Arabidopsis thaliana]		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42947	Strand	+
Start	1	End	2776
Name	OJ990406_07.9C10.C29.o1.gs	Method	GENSCAN
Start	172	End	2776
GI	none	Score	.48
Exons	172..296, 333..500, 2398..2776		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42948	Strand	-
Start	178	End	241
Name	OJ990406_07.9C10.C29.o1.gp	Method	AAT/GAP
Start	178	End	241
GI	none	Score	103
Exons	178..241		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42949	Strand	-
Start	2517	End	2951
Name	OJ990406_07.9C10.C29.o3.gp	Method	AAT/GAP
Start	2517	End	2951
GI	uC-osroM202030c07a1	Score	866
Exons	2517..2951		
GI Descrip.	'4138912 6.0e-27 (AF059487) expansin precursor [Lycopersicon esculentum]'		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29

Gene No.	42950	Strand	-
Start	3599	End	4328
Name	OJ990406_07.9C10.C29.o1.tc	Method	TBLASTX:Cress
Start	180	End	2767
GI	none	Score	315
Exons	180..497, 181..501, 2465..2767		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42950	Strand	-
Start	3599	End	4328
Name	OJ990406_07.9C10.C29.o2.ts	Method	TBLASTX:Soybean
Start	180	End	501
GI	none	Score	326
Exons	180..500, 181..501, 376..501		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42950	Strand	-
Start	3599	End	4328
Name	OJ990406_07.9C10.C29.o2.tm	Method	TBLASTX:Maize
Start	180	End	501
GI	none	Score	173
Exons	180..350, 181..351, 336..488, 337..501, 379..501		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42950	Strand	-
Start	3599	End	4328
Name	OJ990406_07.9C10.C29.o1.tw	Method	TBLASTX:Wheat
Start	354	End	2641
GI	none	Score	65
Exons	354..434, 354..500, 358..501, 376..501, 2458..2640, 2465..2641		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42950	Strand	-
Start	3599	End	4328
Name	OJ990406_07.9C10.C29.o1.ts	Method	TBLASTX:Soybean
Start	2488	End	2769
GI	5606906	Score	342
Exons	2488..2769, 2489..2767		
GI Descrip.	-		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42950	Strand	-
Start	3599	End	4328
Name	OJ990406_07.9C10.C29.o1.tm	Method	TBLASTX:Maize
Start	2498	End	2785
GI	none	Score	467
Exons	2498..2785, 2498..2539, 2500..2784		

Seq. No.	20604	Seq. ID	OJ990406_07.9C10.C29
Gene No.	42950	Strand	-
Start	3599	End	4328
Name	OJ990406_07.9C10.C29.o2.gs	Method	GENSCAN
Start	3599	End	4328
GI	none	Score	.82
Exons	3599..3636, 3997..4090, 4173..4328		

Seq. No.	20605	Seq. ID	OJ990406_07.9C10.C30

Gene No.	42951	Strand	-
Start	196	End	7882
Name	OJ990406_07.9C10.C30.o1.gs	Method	GENSCAN
Start	196	End	7882
GI	none	Score	.79
Exons	196..360, 1200..1337, 2037..2195, 2274..2357, 3025..3360, 3461..3562, 4075..4149, 4490..4673, 5219..5564, 5964..6111, 6573..6723, 7306..7387, 7834..7882		

Seq. No.	20606	Seq. ID	OJ990406_07.9C10.C31
Gene No.	42952	Strand	+
Start	1	End	8133
Name	OJ990406_07.9C10.C31.o2.np	Method	AAT/NAP
Start	1	End	8133
GI	81286	Score	116
Exons	1..22, 3107..3309, 3359..3440, 7618..7886, 8001..8133		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	20606	Seq. ID	OJ990406_07.9C10.C31
Gene No.	42952	Strand	+
Start	1	End	8133
Name	OJ990406_07.9C10.C31.o1.gs	Method	GENSCAN
Start	983	End	1360
GI	none	Score	.59
Exons	983..995, 1335..1360		

Seq. No.	20606	Seq. ID	OJ990406_07.9C10.C31
Gene No.	42952	Strand	+
Start	1	End	8133
Name	OJ990406_07.9C10.C31.o2.gs	Method	GENSCAN
Start	2637	End	6601
GI	none	Score	.63
Exons	2637..2676, 3053..3156, 3186..3323, 3478..3694, 3985..4102, 4373..4507, 4568..4654, 5716..5848, 6235..6386, 6469..6601		

Seq. No.	20606	Seq. ID	OJ990406_07.9C10.C31
Gene No.	42952	Strand	+
Start	1	End	8133
Name	OJ990406_07.9C10.C31.o1.np	Method	AAT/NAP
Start	3083	End	5606
GI	6815109	Score	177
Exons	3083..3430, 5588..5606		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	20606	Seq. ID	OJ990406_07.9C10.C31
Gene No.	42953	Strand	-
Start	7240	End	7861
Name	OJ990406_07.9C10.C31.o3.gs	Method	GENSCAN
Start	7240	End	7861
GI	none	Score	.75
Exons	7240..7399, 7617..7861		

Seq. No.	20607	Seq. ID	OJ990406_07.9C10.C32
Gene No.	42954	Strand	-
Start	539	End	1649
Name	OJ990406_07.9C10.C32.o1.gs	Method	GENSCAN

Start	539	End	1649
GI	none	Score	.78
Exons	539..554, 680..786, 1421..1446, 1568..1649		

Seq. No.	20608	Seq. ID	OJ990406_07.9C10.C33
Gene No.	42955	Strand	-
Start	1	End	479
Name	OJ990406_07.9C10.C33.o1.np	Method	AAT/NAP
Start	1	End	479
GI	4580472	Score	59
Exons	1..105, 263..479		
GI Descrip.	(AC006081) CDC27/NUC2-like protein [Arabidopsis thaliana]		

Seq. No.	20609	Seq. ID	OJ990406_07.9C10.C34
Gene No.	42956	Strand	+
Start	1	End	532
Name	OJ990406_07.9C10.C34.o1.np	Method	AAT/NAP
Start	1	End	395
GI	5302811	Score	313
Exons	1..395		
GI Descrip.	(Z97342) putative serine protease-like protein [Arabidopsis thaliana]		

Seq. No.	20609	Seq. ID	OJ990406_07.9C10.C34
Gene No.	42956	Strand	+
Start	1	End	532
Name	OJ990406_07.9C10.C34.o1.tc	Method	TBLASTX:Cress
Start	47	End	338
GI	none	Score	66
Exons	47..238, 93..173, 93..338, 94..330		

Seq. No.	20609	Seq. ID	OJ990406_07.9C10.C34
Gene No.	42956	Strand	+
Start	1	End	532
Name	OJ990406_07.9C10.C34.o1.tm	Method	TBLASTX:Maize
Start	92	End	451
GI	none	Score	132
Exons	92..328, 93..206, 93..329, 94..333, 409..450, 410..451		

Seq. No.	20609	Seq. ID	OJ990406_07.9C10.C34
Gene No.	42956	Strand	+
Start	1	End	532
Name	OJ990406_07.9C10.C34.o1.ts	Method	TBLASTX:Soybean
Start	93	End	339
GI	none	Score	305
Exons	93..287, 94..291, 94..294, 295..339		

Seq. No.	20609	Seq. ID	OJ990406_07.9C10.C34
Gene No.	42956	Strand	+
Start	1	End	532
Name	OJ990406_07.9C10.C34.o1.gp	Method	AAT/GAP
Start	94	End	532
GI	33499_1.R1084	Score	842
Exons	94..532		
GI Descrip.	'5302811/emb|CAB46052.1| 4.0e-48 (Z97342) putative serine protease-like protein [Arabidopsis thaliana]'		

Seq. No.	20609	Seq. ID	OJ990406_07.9C10.C34
Gene No.	42956	Strand	+
Start	1	End	532
Name	OJ990406_07.9C10.C34.o1.gs	Method	GENSCAN
Start	94	End	330
GI	none	Score	.49
Exons	94..330		

Seq. No.	20610	Seq. ID	OJ990406_07.9C10.C35
Gene No.	42957	Strand	+
Start	144	End	515
Name	OJ990406_07.9C10.C35.o1.gs	Method	GENSCAN
Start	144	End	515
GI	none	Score	.96
Exons	144..150, 373..515		

Seq. No.	20611	Seq. ID	OJ990816_02.9C17.C1
Gene No.	42958	Strand	-
Start	1	End	645
Name	OJ990816_02.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	645
GI	5852093	Score	54
Exons	1..58, 348..485, 623..645		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	20612	Seq. ID	OJ990816_02.9C17.C2
Gene No.	42959	Strand	+
Start	746	End	806
Name	OJ990816_02.9C17.C2.o1.gs	Method	GENSCAN
Start	746	End	806
GI	none	Score	.48
Exons	746..806		

Seq. No.	20613	Seq. ID	OJ990816_02.9C17.C3
Gene No.	42960	Strand	-
Start	747	End	2244
Name	OJ990816_02.9C17.C3.o1.gs	Method	GENSCAN
Start	747	End	2244
GI	none	Score	.54
Exons	747..868, 926..1202, 1666..1908, 2216..2244		

Seq. No.	20614	Seq. ID	OJ990816_02.9C17.C4
Gene No.	42961	Strand	+
Start	1	End	621
Name	OJ990816_02.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	621
GI	4680203	Score	656
Exons	1..621		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20614	Seq. ID	OJ990816_02.9C17.C4
Gene No.	42961	Strand	+
Start	1	End	621
Name	OJ990816_02.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	52	End	352
GI	none	Score	224
Exons	52..348, 86..352		

Seq. No.	20614	Seq. ID	OJ990816_02.9C17.C4
Gene No.	42961	Strand	+
Start	1	End	621
Name	OJ990816_02.9C17.C4.o1.tc	Method	TBLASTX:Cress
Start	88	End	430
GI	none	Score	309
Exons	88..237, 89..430, 274..330, 284..388		

Seq. No.	20614	Seq. ID	OJ990816_02.9C17.C4
Gene No.	42961	Strand	+
Start	1	End	621
Name	OJ990816_02.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	203	End	517
GI	none	Score	317
Exons	203..517, 203..475, 271..516		

Seq. No.	20614	Seq. ID	OJ990816_02.9C17.C4
Gene No.	42961	Strand	+
Start	1	End	621
Name	OJ990816_02.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	275	End	616
GI	none	Score	222
Exons	275..520, 325..516, 524..616		

Seq. No.	20615	Seq. ID	OJ990816_02.9C17.C5
Gene No.	42962	Strand	+
Start	1	End	1231
Name	OJ990816_02.9C17.C5.o1.np	Method	AAT/NAP
Start	1	End	1231
GI	6498441	Score	1373
Exons	1..770, 1101..1231		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20615	Seq. ID	OJ990816_02.9C17.C5
Gene No.	42962	Strand	+
Start	1	End	1231
Name	OJ990816_02.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	247
GI	none	Score	201
Exons	1..135, 2..247		

Seq. No.	20615	Seq. ID	OJ990816_02.9C17.C5
Gene No.	42962	Strand	+
Start	1	End	1231
Name	OJ990816_02.9C17.C5.o1.gs	Method	GENSCAN
Start	32	End	1225
GI	none	Score	.52
Exons	32..1008, 1089..1225		

Seq. No.	20615	Seq. ID	OJ990816_02.9C17.C5
Gene No.	42962	Strand	+
Start	1	End	1231
Name	OJ990816_02.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	860	End	1120

GI	none	Score	193
Exons	860..1120, 964..1107		
Seq. No.	20616	Seq. ID	OJ990816_02.9C17.C7
Gene No.	42963	Strand	-
Start	65	End	796
Name	OJ990816_02.9C17.C7.o1.gp	Method	AAT/GAP
Start	65	End	552
GI	none	Score	904
Exons	65..552		
Seq. No.	20616	Seq. ID	OJ990816_02.9C17.C7
Gene No.	42963	Strand	-
Start	65	End	796
Name	OJ990816_02.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	157	End	685
GI	none	Score	53
Exons	157..210, 294..557, 295..558, 644..685, 645..683		
Seq. No.	20616	Seq. ID	OJ990816_02.9C17.C7
Gene No.	42963	Strand	-
Start	65	End	796
Name	OJ990816_02.9C17.C7.o1.gs	Method	GENSCAN
Start	297	End	558
GI	none	Score	.86
Exons	297..558		
Seq. No.	20616	Seq. ID	OJ990816_02.9C17.C7
Gene No.	42963	Strand	-
Start	65	End	796
Name	OJ990816_02.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	301	End	776
GI	none	Score	235
Exons	301..558, 309..557, 312..560, 644..775, 645..776		
Seq. No.	20616	Seq. ID	OJ990816_02.9C17.C7
Gene No.	42963	Strand	-
Start	65	End	796
Name	OJ990816_02.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	309	End	796
GI	none	Score	231
Exons	309..557, 310..558, 326..574, 644..781, 644..796		
Seq. No.	20617	Seq. ID	OJ990816_02.9C17.C9
Gene No.	42964	Strand	+
Start	1	End	534
Name	OJ990816_02.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	534
GI	4914419	Score	164
Exons	1..24, 264..475, 508..534		
GI Descrip.	(AL050352) putative protein [Arabidopsis thaliana]		
Seq. No.	20617	Seq. ID	OJ990816_02.9C17.C9
Gene No.	42964	Strand	+
Start	1	End	534
Name	OJ990816_02.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	263	End	451

GI	none	Score	217
Exons	263..451, 264..449		

Seq. No.	20617	Seq. ID	OJ990816_02.9C17.C9
Gene No.	42964	Strand	+
Start	1	End	534
Name	OJ990816_02.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	285	End	451
GI	none	Score	194
Exons	285..449, 290..451		

Seq. No.	20618	Seq. ID	OJ990816_02.9C17.C10
Gene No.	42965	Strand	-
Start	1	End	891
Name	OJ990816_02.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	891
GI	5042454	Score	1316
Exons	1..891		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20618	Seq. ID	OJ990816_02.9C17.C10
Gene No.	42965	Strand	-
Start	1	End	891
Name	OJ990816_02.9C17.C10.o1.gs	Method	GENSCAN
Start	32	End	874
GI	none	Score	.62
Exons	32..705, 793..874		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42966	Strand	+
Start	8452	End	14099
Name	OJ990816_02.9C17.C11.o1.np	Method	AAT/NAP
Start	8452	End	14099
GI	6498441	Score	6811
Exons	8452..9514, 9845..10309, 10373..10746, 10930..11064, 11239..11527, 11721..12155, 12327..13724, 13818..14099		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42967	Strand	-
Start	1	End	5055
Name	OJ990816_02.9C17.C11.o1.gp	Method	AAT/GAP
Start	1	End	313
GI	2312190	Score	342
Exons	1..58, 150..313		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42967	Strand	-
Start	1	End	5055
Name	OJ990816_02.9C17.C11.o1.gs	Method	GENSCAN
Start	150	End	5055
GI	none	Score	.79
Exons	150..283, 1136..1224, 1919..2100, 2106..2192, 2255..2400, 4540..5055		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o4.tm	Method	TBLASTX:Maize
Start	2	End	2036
GI	none	Score	54
Exons	2..55, 139..279, 149..283, 150..284, 1133..1309, 1136..1312, 1914..2036, 1921..2034		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	180	End	1313
GI	none	Score	63
Exons	180..284, 182..283, 1120..1305, 1133..1306, 1133..1312, 1137..1313		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	1130	End	1355
GI	none	Score	104
Exons	1130..1312, 1133..1318, 1143..1355		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o6.tw	Method	TBLASTX:Wheat
Start	8600	End	8992
GI	none	Score	58
Exons	8600..8647, 8654..8752, 8671..8751, 8719..8880, 8735..8992		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o5.tm	Method	TBLASTX:Maize
Start	8605	End	8890
GI	none	Score	193
Exons	8605..8889, 8642..8890		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o5.tw	Method	TBLASTX:Wheat
Start	9000	End	12461
GI	none	Score	229
Exons	9000..9053, 12000..12251, 12027..12251, 12092..12265, 12312..12461, 12321..12458, 12323..12460		

Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o3.tw	Method	TBLASTX:Wheat
Start	9730	End	10216
GI	none	Score	413

Exons	9730..9903, 9731..10216, 9925..10185		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	10380	End	10843
GI	none	Score	211
Exons	10380..10823, 10381..10842, 10382..10843		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o4.ts	Method	TBLASTX:Soybean
Start	10421	End	10786
GI	none	Score	117
Exons	10421..10645, 10652..10786		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	10511	End	10867
GI	none	Score	388
Exons	10511..10867, 10546..10854		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o3.tm	Method	TBLASTX:Maize
Start	10894	End	11278
GI	none	Score	360
Exons	10894..11259, 10895..11278		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	10951	End	11376
GI	none	Score	486
Exons	10951..11376, 10952..11371		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	11030	End	11401
GI	none	Score	278
Exons	11030..11401, 11047..11190		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o3.ts	Method	TBLASTX:Soybean
Start	12150	End	12716
GI	5666795	Score	68
Exons	12150..12248, 12324..12461, 12516..12716		

GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o8.tw	Method	TBLASTX:Wheat
Start	12464	End	12776
GI	none	Score	192
Exons	12464..12640, 12516..12776		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	12969	End	13312
GI	none	Score	366
Exons	12969..13301, 12998..13309, 13001..13312		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o4.tw	Method	TBLASTX:Wheat
Start	13106	End	13487
GI	none	Score	367
Exons	13106..13162, 13107..13487, 13208..13456		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o7.tw	Method	TBLASTX:Wheat
Start	13488	End	14090
GI	none	Score	265
Exons	13488..13772, 13489..13779, 13493..13771, 13965..14090, 14018..14086		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o3.gs	Method	GENSCAN
Start	14722	End	15657
GI	none	Score	1
Exons	14722..15657		
Seq. No.	20619	Seq. ID	OJ990816_02.9C17.C11
Gene No.	42968	Strand	-
Start	14722	End	15674
Name	OJ990816_02.9C17.C11.o2.np	Method	AAT/NAP
Start	14725	End	15674
GI	6907089	Score	1197
Exons	14725..15674		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	20620	Seq. ID	OJ990816_02.9C17.C12
Gene No.	42969	Strand	-
Start	1	End	2032
Name	OJ990816_02.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	2032

GI	6907089	Score	2554
Exons	1..259, 296..674, 774..2032		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20620	Seq. ID	OJ990816_02.9C17.C12
Gene No.	42969	Strand	-
Start	1	End	2032
Name	OJ990816_02.9C17.C12.o1.gs	Method	GENSCAN
Start	29	End	2032
GI	none	Score	.85
Exons	29..674, 774..2032		

Seq. No.	20620	Seq. ID	OJ990816_02.9C17.C12
Gene No.	42970	Strand	-
Start	2872	End	3208
Name	OJ990816_02.9C17.C12.o2.np	Method	AAT/NAP
Start	2872	End	3208
GI	5922623	Score	135
Exons	2872..2947, 3115..3208		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20621	Seq. ID	OJ990816_02.9C17.C13
Gene No.	42971	Strand	+
Start	1	End	3976
Name	OJ990816_02.9C17.C13.o1.np	Method	AAT/NAP
Start	1	End	3976
GI	5042454	Score	92
Exons	1..72, 324..419, 3954..3976		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20621	Seq. ID	OJ990816_02.9C17.C13
Gene No.	42972	Strand	+
Start	5638	End	6056
Name	OJ990816_02.9C17.C13.o2.gs	Method	GENSCAN
Start	5638	End	6056
GI	none	Score	.45
Exons	5638..5800, 5986..6056		

Seq. No.	20621	Seq. ID	OJ990816_02.9C17.C13
Gene No.	42973	Strand	-
Start	1039	End	3135
Name	OJ990816_02.9C17.C13.o2.np	Method	AAT/NAP
Start	1039	End	3135
GI	4895202	Score	139
Exons	1039..1071, 2629..3135		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20621	Seq. ID	OJ990816_02.9C17.C13
Gene No.	42973	Strand	-
Start	1039	End	3135
Name	OJ990816_02.9C17.C13.o1.gs	Method	GENSCAN
Start	2449	End	3135
GI	none	Score	.97
Exons	2449..3135		

Seq. No.	20622	Seq. ID	OJ990816_02.9C17.C14
Gene No.	42974	Strand	-
Start	1077	End	1368
Name	OJ990816_02.9C17.C14.o1.gs	Method	GENSCAN
Start	1077	End	1368
GI	none	Score	.53
Exons	1077..1186, 1286..1368		

Seq. No.	20623	Seq. ID	OJ990816_02.9C17.C15
Gene No.	42975	Strand	+
Start	115	End	252
Name	OJ990816_02.9C17.C15.o1.gp	Method	AAT/GAP
Start	115	End	252
GI	LIB3431-027-P1-K1-D5	Score	241
Exons	115..252		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	20623	Seq. ID	OJ990816_02.9C17.C15
Gene No.	42976	Strand	-
Start	1	End	1857
Name	OJ990816_02.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	1857
GI	4895202	Score	195
Exons	1..21, 1344..1857		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20623	Seq. ID	OJ990816_02.9C17.C15
Gene No.	42976	Strand	-
Start	1	End	1857
Name	OJ990816_02.9C17.C15.o1.gs	Method	GENSCAN
Start	772	End	1845
GI	none	Score	.71
Exons	772..959, 1323..1845		

Seq. No.	20623	Seq. ID	OJ990816_02.9C17.C15
Gene No.	42976	Strand	-
Start	1	End	1857
Name	OJ990816_02.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	1511	End	1855
GI	none	Score	292
Exons	1511..1804, 1513..1803, 1805..1855		

Seq. No.	20624	Seq. ID	OJ990816_02.9C17.C17
Gene No.	42977	Strand	+
Start	1	End	427
Name	OJ990816_02.9C17.C17.o1.np	Method	AAT/NAP
Start	1	End	334
GI	4680203	Score	228
Exons	1..334		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20624	Seq. ID	OJ990816_02.9C17.C17
Gene No.	42977	Strand	+
Start	1	End	427
Name	OJ990816_02.9C17.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	325

GI	none	Score	110
Exons	1..99, 2..115, 104..151, 155..196, 158..196, 220..297, 221..325		

Seq. No.	20624	Seq. ID	OJ990816_02.9C17.C17
Gene No.	42977	Strand	+
Start	1	End	427
Name	OJ990816_02.9C17.C17.o1.gs	Method	GENSCAN
Start	56	End	427
GI	none	Score	1
Exons	56..427		

Seq. No.	20625	Seq. ID	OJ990816_02.9C17.C18
Gene No.	42978	Strand	+
Start	4538	End	4807
Name	OJ990816_02.9C17.C18.o2.tw	Method	TBLASTX:Wheat
Start	3311	End	3601
GI	none	Score	188
Exons	3311..3601, 3409..3585		

Seq. No.	20625	Seq. ID	OJ990816_02.9C17.C18
Gene No.	42978	Strand	+
Start	4538	End	4807
Name	OJ990816_02.9C17.C18.o1.tw	Method	TBLASTX:Wheat
Start	4442	End	4801
GI	none	Score	92
Exons	4442..4573, 4579..4800, 4580..4801		

Seq. No.	20625	Seq. ID	OJ990816_02.9C17.C18
Gene No.	42978	Strand	+
Start	4538	End	4807
Name	OJ990816_02.9C17.C18.o1.gp	Method	AAT/GAP
Start	4538	End	4807
GI	uC-osf1M202098c02b1	Score	446
Exons	4538..4807		
GI Descrip.	'4378066/gb|AAD19359.1| 2.0e-13 (AF098806) polyprotein [Sorghum bicolor] >gi_4680208_gb_AAD27571.1_AF114171_12 (AF114171) polyprotein [Sorghum bicolor]'		

Seq. No.	20626	Seq. ID	OJ990816_02.9C17.C20
Gene No.	42979	Strand	+
Start	1	End	497
Name	OJ990816_02.9C17.C20.o1.np	Method	AAT/NAP
Start	1	End	497
GI	5922623	Score	99
Exons	1..27, 194..269, 467..497		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20627	Seq. ID	OJ990816_02.9C17.C21
Gene No.	42980	Strand	-
Start	97	End	1103
Name	OJ990816_02.9C17.C21.o1.gs	Method	GENSCAN
Start	97	End	1103
GI	none	Score	.78
Exons	97..267, 350..534, 639..1103		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42981	Strand	+
Start	1	End	1249
Name	OJ990816_02.9C17.C22.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	4206306	Score	1025
Exons	1..1246		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42981	Strand	+
Start	1	End	1249
Name	OJ990816_02.9C17.C22.o1.gs	Method	GENSCAN
Start	195	End	1249
GI	none	Score	.66
Exons	195..268, 418..1249		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42982	Strand	+
Start	5724	End	6005
Name	OJ990816_02.9C17.C22.o3.gs	Method	GENSCAN
Start	5724	End	6005
GI	none	Score	.69
Exons	5724..6005		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42983	Strand	-
Start	1935	End	5340
Name	OJ990816_02.9C17.C22.o2.gs	Method	GENSCAN
Start	1935	End	5340
GI	none	Score	.62
Exons	1935..2273, 2523..2654, 2756..2956, 2985..3347, 3433..4415, 4503..5340		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42984	Strand	-
Start	6780	End	7411
Name	OJ990816_02.9C17.C22.o4.gs	Method	GENSCAN
Start	6780	End	7411
GI	none	Score	.93
Exons	6780..6810, 6902..7087, 7275..7411		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42985	Strand	-
Start	7937	End	8125
Name	OJ990816_02.9C17.C22.o1.tm	Method	TBLASTX:Maize
Start	26	End	484
GI	none	Score	375
Exons	26..484, 89..301, 124..345		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42985	Strand	-
Start	7937	End	8125
Name	OJ990816_02.9C17.C22.o1.tw	Method	TBLASTX:Wheat
Start	134	End	517
GI	none	Score	243
Exons	134..517, 181..345, 400..441		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42985	Strand	-
Start	7937	End	8125
Name	OJ990816_02.9C17.C22.o1.ts	Method	TBLASTX:Soybean
Start	296	End	670
GI	none	Score	98
Exons	296..445, 325..444, 442..663, 446..670		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42985	Strand	-
Start	7937	End	8125
Name	OJ990816_02.9C17.C22.o2.tm	Method	TBLASTX:Maize
Start	484	End	655
GI	none	Score	205
Exons	484..642, 485..655, 485..646		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42985	Strand	-
Start	7937	End	8125
Name	OJ990816_02.9C17.C22.o3.tm	Method	TBLASTX:Maize
Start	686	End	928
GI	none	Score	185
Exons	686..928		

Seq. No.	20628	Seq. ID	OJ990816_02.9C17.C22
Gene No.	42985	Strand	-
Start	7937	End	8125
Name	OJ990816_02.9C17.C22.o5.gs	Method	GENSCAN
Start	7937	End	8125
GI	none	Score	.99
Exons	7937..7956, 8074..8125		

Seq. No.	20629	Seq. ID	OJ990816_02.9C17.C23
Gene No.	42986	Strand	-
Start	23	End	869
Name	OJ990816_02.9C17.C23.o1.gs	Method	GENSCAN
Start	23	End	869
GI	none	Score	.61
Exons	23..145, 671..869		

Seq. No.	20630	Seq. ID	OJ990816_02.9C17.C24
Gene No.	42987	Strand	-
Start	1217	End	2365
Name	OJ990816_02.9C17.C24.o1.gs	Method	GENSCAN
Start	1217	End	1996
GI	none	Score	.98
Exons	1217..1996		

Seq. No.	20630	Seq. ID	OJ990816_02.9C17.C24
Gene No.	42987	Strand	-
Start	1217	End	2365
Name	OJ990816_02.9C17.C24.o1.np	Method	AAT/NAP
Start	1223	End	2365
GI	4895204	Score	161
Exons	1223..1924, 2333..2365		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20630	Seq. ID	OJ990816_02.9C17.C24
Gene No.	42987	Strand	-
Start	1217	End	2365
Name	OJ990816_02.9C17.C24.o1.tm	Method	TBLASTX:Maize
Start	1662	End	1955
GI	none	Score	295
Exons	1662..1955, 1664..1954		

Seq. No.	20631	Seq. ID	OJ990816_02.9C17.C25
Gene No.	42988	Strand	-
Start	132	End	771
Name	OJ990816_02.9C17.C25.o1.gs	Method	GENSCAN
Start	132	End	771
GI	none	Score	.72
Exons	132..145, 711..771		

Seq. No.	20632	Seq. ID	OJ990816_02.9C17.C26
Gene No.	42989	Strand	+
Start	1	End	3742
Name	OJ990816_02.9C17.C26.o1.np	Method	AAT/NAP
Start	1	End	1462
GI	6815062	Score	532
Exons	1..28, 115..465, 539..637, 708..1119, 1263..1462		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	20632	Seq. ID	OJ990816_02.9C17.C26
Gene No.	42989	Strand	+
Start	1	End	3742
Name	OJ990816_02.9C17.C26.o1.gs	Method	GENSCAN
Start	171	End	3742
GI	none	Score	.57
Exons	171..465, 539..637, 708..754, 801..954, 1314..1588, 3187..3742		

Seq. No.	20632	Seq. ID	OJ990816_02.9C17.C26
Gene No.	42990	Strand	-
Start	5694	End	7081
Name	OJ990816_02.9C17.C26.o2.np	Method	AAT/NAP
Start	5694	End	7081
GI	5922623	Score	74
Exons	5694..5718, 6908..7081		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20633	Seq. ID	OJ990816_02.9C17.C27
Gene No.	42991	Strand	-
Start	1896	End	2846
Name	OJ990816_02.9C17.C27.o1.gs	Method	GENSCAN
Start	1896	End	2846
GI	none	Score	.76
Exons	1896..2043, 2051..2567, 2726..2846		

Seq. No.	20633	Seq. ID	OJ990816_02.9C17.C27
Gene No.	42992	Strand	-

Start	4128	End	6445
Name	OJ990816_02.9C17.C27.o2.gs	Method	GENSCAN
Start	4128	End	6105
GI	none	Score	.94
Exons	4128..4573, 5969..6105		

Seq. No.	20633	Seq. ID	OJ990816_02.9C17.C27
Gene No.	42992	Strand	-
Start	4128	End	6445
Name	OJ990816_02.9C17.C27.o2.np	Method	AAT/NAP
Start	5436	End	6445
GI	5852084	Score	67
Exons	5436..5522, 6420..6445		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	20634	Seq. ID	OJ990816_02.9C17.C28
Gene No.	42993	Strand	-
Start	780	End	1273
Name	OJ990816_02.9C17.C28.o1.gp	Method	AAT/GAP
Start	780	End	1273
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	780..808, 1202..1273		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42994	Strand	+
Start	11061	End	14061
Name	OJ990816_02.9C17.C29.o4.gs	Method	GENSCAN
Start	11061	End	14061
GI	none	Score	.48
Exons	11061..11114, 11282..11368, 12856..13210, 13572..13751, 13931..14061		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42995	Strand	+
Start	14629	End	15903
Name	OJ990816_02.9C17.C29.o5.gs	Method	GENSCAN
Start	14629	End	15903
GI	none	Score	.51
Exons	14629..14683, 15055..15186, 15246..15256, 15532..15903		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42996	Strand	-
Start	1	End	4821
Name	OJ990816_02.9C17.C29.o2.np	Method	AAT/NAP
Start	1	End	4821
GI	4895202	Score	244
Exons	1..49, 2591..2716, 4278..4821		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42996	Strand	-
Start	1	End	4821
Name	OJ990816_02.9C17.C29.o1.gs	Method	GENSCAN
Start	318	End	3381

GI	none	Score	.8
Exons	318..454, 658..789, 815..1445, 2675..2979, 2984..3114, 3167..3381		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42996	Strand	-
Start	1	End	4821
Name	OJ990816_02.9C17.C29.o2.gs	Method	GENSCAN
Start	4102	End	4815
GI	none	Score	1
Exons	4102..4815		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42997	Strand	-
Start	8604	End	10668
Name	OJ990816_02.9C17.C29.o3.gs	Method	GENSCAN
Start	8604	End	10668
GI	none	Score	.46
Exons	8604..8696, 9879..10133, 10156..10668		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42998	Strand	-
Start	14978	End	17572
Name	OJ990816_02.9C17.C29.o1.tm	Method	TBLASTX:Maize
Start	822	End	16469
GI	none	Score	74
Exons	822..869, 912..971, 974..1030, 4486..4560, 4579..4815, 4604..4744, 10306..10404, 10450..10563, 10457..10564, 10570..10608, 10610..10633, 16254..16310, 16266..16337, 16344..16400, 16419..16439, 16446..16469		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42998	Strand	-
Start	14978	End	17572
Name	OJ990816_02.9C17.C29.o2.tm	Method	TBLASTX:Maize
Start	2581	End	2829
GI	none	Score	174
Exons	2581..2682, 2582..2707, 2680..2790, 2693..2791, 2803..2829		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42998	Strand	-
Start	14978	End	17572
Name	OJ990816_02.9C17.C29.o3.np	Method	AAT/NAP
Start	14978	End	16562
GI	4895204	Score	121
Exons	14978..15047, 16252..16562		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20635	Seq. ID	OJ990816_02.9C17.C29
Gene No.	42998	Strand	-
Start	14978	End	17572
Name	OJ990816_02.9C17.C29.o6.gs	Method	GENSCAN
Start	16083	End	17572
GI	none	Score	.78
Exons	16083..16671, 17494..17572		

Seq. No.	20636	Seq. ID	OJ990816_02.9C17.C30

Gene No.	42999	Strand	-
Start	725	End	829
Name	OJ990816_02.9C17.C30.o1.ts	Method	TBLASTX:Soybean
Start	1	End	279
GI	none	Score	87
Exons	1..90, 2..88, 10..90, 167..241, 170..262, 172..276, 211..279		

Seq. No.	20636	Seq. ID	OJ990816_02.9C17.C30
Gene No.	42999	Strand	-
Start	725	End	829
Name	OJ990816_02.9C17.C30.o1.tm	Method	TBLASTX:Maize
Start	685	End	828
GI	none	Score	179
Exons	685..828, 703..828		

Seq. No.	20636	Seq. ID	OJ990816_02.9C17.C30
Gene No.	42999	Strand	-
Start	725	End	829
Name	OJ990816_02.9C17.C30.o1.gp	Method	AAT/GAP
Start	725	End	829
GI	2312190	Score	159
Exons	725..829		

Seq. No.	20637	Seq. ID	OJ990816_02.9C17.C31
Gene No.	43000	Strand	+
Start	129	End	1083
Name	OJ990816_02.9C17.C31.o1.gs	Method	GENSCAN
Start	129	End	1083
GI	none	Score	.88
Exons	129..261, 495..1083		

Seq. No.	20638	Seq. ID	OJ990826_01.9C28.C1
Gene No.	43001	Strand	+
Start	1359	End	1993
Name	OJ990826_01.9C28.C1.o1.gs	Method	GENSCAN
Start	1359	End	1993
GI	none	Score	.64
Exons	1359..1511, 1850..1993		

Seq. No.	20638	Seq. ID	OJ990826_01.9C28.C1
Gene No.	43002	Strand	+
Start	3604	End	4722
Name	OJ990826_01.9C28.C1.o1.gp	Method	AAT/GAP
Start	3493	End	4359
GI	2280890	Score	690
Exons	3493..3643, 3869..3980, 4244..4359		

Seq. No.	20638	Seq. ID	OJ990826_01.9C28.C1
Gene No.	43002	Strand	+
Start	3604	End	4722
Name	OJ990826_01.9C28.C1.o2.gs	Method	GENSCAN
Start	3604	End	4722
GI	none	Score	.66
Exons	3604..3643, 3869..3980, 4667..4722		

Seq. No.	20639	Seq. ID	OJ990826_01.9C28.C2
Gene No.	43003	Strand	-

Start	196	End	672
Name	OJ990826_01.9C28.C2.o1.gs	Method	GENSCAN
Start	196	End	672
GI	none	Score	.97
Exons	196..378, 577..672		

Seq. No.	20640	Seq. ID	OJ990826_01.9C28.C3
Gene No.	43004	Strand	+
Start	867	End	1373
Name	OJ990826_01.9C28.C3.o1.gs	Method	GENSCAN
Start	867	End	1373
GI	none	Score	.53
Exons	867..922, 1163..1373		

Seq. No.	20641	Seq. ID	OJ990826_01.9C28.C4
Gene No.	43005	Strand	-
Start	1	End	4743
Name	OJ990826_01.9C28.C4.o1.np	Method	AAT/NAP
Start	1	End	1720
GI	6907086	Score	1166
Exons	1..264, 384..493, 724..895, 956..1720		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	20641	Seq. ID	OJ990826_01.9C28.C4
Gene No.	43005	Strand	-
Start	1	End	4743
Name	OJ990826_01.9C28.C4.o1.gs	Method	GENSCAN
Start	227	End	895
GI	none	Score	.57
Exons	227..895		

Seq. No.	20641	Seq. ID	OJ990826_01.9C28.C4
Gene No.	43005	Strand	-
Start	1	End	4743
Name	OJ990826_01.9C28.C4.o2.gs	Method	GENSCAN
Start	981	End	3369
GI	none	Score	.81
Exons	981..1427, 2255..2359, 3256..3369		

Seq. No.	20641	Seq. ID	OJ990826_01.9C28.C4
Gene No.	43005	Strand	-
Start	1	End	4743
Name	OJ990826_01.9C28.C4.o2.np	Method	AAT/NAP
Start	2428	End	4743
GI	4680186	Score	179
Exons	2428..2846, 3349..3409, 4680..4743		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20642	Seq. ID	OJ990826_01.9C28.C6
Gene No.	43006	Strand	+
Start	1	End	285
Name	OJ990826_01.9C28.C6.o1.gp	Method	AAT/GAP
Start	1	End	285
GI	none	Score	541
Exons	1..285		

Seq. No.	20643	Seq. ID	OJ990826_01.9C28.C7

Gene No.	43007	Strand	+
Start	2242	End	2676
Name	OJ990826_01.9C28.C7.o1.np	Method	AAT/NAP
Start	2242	End	2676
GI	5902444	Score	652
Exons	2242..2676		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	20643	Seq. ID	OJ990826_01.9C28.C7
Gene No.	43008	Strand	-
Start	150	End	585
Name	OJ990826_01.9C28.C7.o1.gs	Method	GENSCAN
Start	150	End	585
GI	none	Score	.8
Exons	150..302, 391..585		

Seq. No.	20643	Seq. ID	OJ990826_01.9C28.C7
Gene No.	43009	Strand	-
Start	2218	End	2639
Name	OJ990826_01.9C28.C7.o2.gs	Method	GENSCAN
Start	2218	End	2639
GI	none	Score	.77
Exons	2218..2351, 2513..2639		

Seq. No.	20644	Seq. ID	OJ990826_01.9C28.C8
Gene No.	43010	Strand	+
Start	1	End	1911
Name	OJ990826_01.9C28.C8.o1.np	Method	AAT/NAP
Start	1	End	1911
GI	5902444	Score	3214
Exons	1..1911		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	20644	Seq. ID	OJ990826_01.9C28.C8
Gene No.	43010	Strand	+
Start	1	End	1911
Name	OJ990826_01.9C28.C8.o1.gs	Method	GENSCAN
Start	76	End	1884
GI	none	Score	.68
Exons	76..1884		

Seq. No.	20644	Seq. ID	OJ990826_01.9C28.C8
Gene No.	43010	Strand	+
Start	1	End	1911
Name	OJ990826_01.9C28.C8.o1.tw	Method	TBLASTX:Wheat
Start	705	End	1107
GI	none	Score	294
Exons	705..974, 706..1107		

Seq. No.	20644	Seq. ID	OJ990826_01.9C28.C8
Gene No.	43010	Strand	+
Start	1	End	1911
Name	OJ990826_01.9C28.C8.o2.tw	Method	TBLASTX:Wheat
Start	1594	End	1896
GI	none	Score	214
Exons	1594..1896, 1594..1836		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o1.np	Method	AAT/NAP
Start	1	End	1722
GI	5902445	Score	2910
Exons	1..1722		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o2.tm	Method	TBLASTX:Maize
Start	1	End	209
GI	none	Score	69
Exons	1..39, 33..209, 50..199		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o1.gs	Method	GENSCAN
Start	69	End	1619
GI	none	Score	.51
Exons	69..1619		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o1.tw	Method	TBLASTX:Wheat
Start	78	End	497
GI	none	Score	468
Exons	78..497, 78..308, 80..496		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o1.ts	Method	TBLASTX:Soybean
Start	342	End	773
GI	none	Score	308
Exons	342..773, 389..532, 405..686, 569..739		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o1.tm	Method	TBLASTX:Maize
Start	440	End	884
GI	none	Score	279
Exons	440..694, 441..695, 465..701, 509..712, 716..847, 717..860, 858..884		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o3.tw	Method	TBLASTX:Wheat
Start	533	End	971
GI	none	Score	97
Exons	533..952, 542..970, 543..971		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o2.ts	Method	TBLASTX:Soybean
Start	999	End	1387
GI	none	Score	86
Exons	999..1103, 1007..1387, 1143..1385		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o2.tw	Method	TBLASTX:Wheat
Start	1008	End	1432
GI	none	Score	413
Exons	1008..1430, 1016..1432		

Seq. No.	20645	Seq. ID	OJ990826_01.9C28.C9
Gene No.	43011	Strand	+
Start	1	End	1722
Name	OJ990826_01.9C28.C9.o3.tm	Method	TBLASTX:Maize
Start	1260	End	1514
GI	none	Score	192
Exons	1260..1514, 1268..1375		

Seq. No.	20646	Seq. ID	OJ990826_01.9C28.C10
Gene No.	43012	Strand	+
Start	1	End	793
Name	OJ990826_01.9C28.C10.o1.np	Method	AAT/NAP
Start	1	End	790
GI	5902445	Score	1310
Exons	1..790		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	20646	Seq. ID	OJ990826_01.9C28.C10
Gene No.	43012	Strand	+
Start	1	End	793
Name	OJ990826_01.9C28.C10.o1.gs	Method	GENSCAN
Start	87	End	793
GI	none	Score	.43
Exons	87..793		

Seq. No.	20646	Seq. ID	OJ990826_01.9C28.C10
Gene No.	43013	Strand	-
Start	1108	End	1357
Name	OJ990826_01.9C28.C10.o2.tm	Method	TBLASTX:Maize
Start	145	End	403
GI	none	Score	89
Exons	145..252, 146..244, 235..309, 239..322, 332..403		

Seq. No.	20646	Seq. ID	OJ990826_01.9C28.C10
Gene No.	43013	Strand	-
Start	1108	End	1357
Name	OJ990826_01.9C28.C10.o1.tw	Method	TBLASTX:Wheat
Start	188	End	781
GI	none	Score	207
Exons	188..403, 208..297, 349..399, 401..445, 500..658, 644..781		

Seq. No.	20646	Seq. ID	OJ990826_01.9C28.C10
Gene No.	43013	Strand	-
Start	1108	End	1357
Name	OJ990826_01.9C28.C10.o1.tm	Method	TBLASTX:Maize
Start	509	End	742
GI	none	Score	148
Exons	509..661, 640..741, 641..742		

Seq. No.	20646	Seq. ID	OJ990826_01.9C28.C10
Gene No.	43013	Strand	-
Start	1108	End	1357
Name	OJ990826_01.9C28.C10.o2.gs	Method	GENSCAN
Start	1108	End	1326
GI	none	Score	.51
Exons	1108..1326		

Seq. No.	20646	Seq. ID	OJ990826_01.9C28.C10
Gene No.	43013	Strand	-
Start	1108	End	1357
Name	OJ990826_01.9C28.C10.o2.np	Method	AAT/NAP
Start	1111	End	1357
GI	5902446	Score	373
Exons	1111..1357		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	20647	Seq. ID	OJ990826_01.9C28.C11
Gene No.	43014	Strand	+
Start	3382	End	3530
Name	OJ990826_01.9C28.C11.o1.gp	Method	AAT/GAP
Start	3382	End	3530
GI	uC-osflcyp177g01a1	Score	234
Exons	3382..3530		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	20647	Seq. ID	OJ990826_01.9C28.C11
Gene No.	43015	Strand	-
Start	104	End	9397
Name	OJ990826_01.9C28.C11.o1.gs	Method	GENSCAN
Start	104	End	9397
GI	none	Score	.55
Exons	104..462, 545..702, 921..1844, 4938..6549, 6952..7002, 7054..7089, 7801..7827, 8035..8059, 8863..8927, 9141..9241, 9311..9397		

Seq. No.	20647	Seq. ID	OJ990826_01.9C28.C11
Gene No.	43015	Strand	-
Start	104	End	9397
Name	OJ990826_01.9C28.C11.o1.np	Method	AAT/NAP
Start	912	End	1805
GI	5902448	Score	1595
Exons	912..1805		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	20647	Seq. ID	OJ990826_01.9C28.C11
Gene No.	43015	Strand	-

Start	104	End	9397
Name	OJ990826_01.9C28.C11.o1.tw	Method	TBLASTX:Wheat
Start	1395	End	1685
GI	none	Score	210
Exons	1395..1685		

Seq. No.	20647	Seq. ID	OJ990826_01.9C28.C11
Gene No.	43015	Strand	-
Start	104	End	9397
Name	OJ990826_01.9C28.C11.o2.np	Method	AAT/NAP
Start	4806	End	6047
GI	6017107	Score	242
Exons	4806..5300, 5388..5786, 5823..6047		
GI Descrip.	(AC009895) RGA1-like protein [Arabidopsis thaliana]		

Seq. No.	20647	Seq. ID	OJ990826_01.9C28.C11
Gene No.	43015	Strand	-
Start	104	End	9397
Name	OJ990826_01.9C28.C11.o1.ts	Method	TBLASTX:Soybean
Start	4968	End	5771
GI	none	Score	95
Exons	4968..5039, 5136..5297, 5394..5531, 5610..5771		

Seq. No.	20647	Seq. ID	OJ990826_01.9C28.C11
Gene No.	43016	Strand	
Start	9587	End	10263
Name	OJ990826_01.9C28.C11.o1.tm	Method	TBLASTX:Maize
Start	9587	End	10263
GI	none	Score	69
Exons	9587..9688, 9589..9699, 9617..9751, 9617..9703, 9665..9703, 9667..9756, 9721..9849, 9739..9834, 9741..9866, 9750..9842, 9750..9827, 9753..9857, 9755..9931, 9756..9824, 9757..9840, 9757..9858, 9758..9865, 9760..9879, 9762..9839, 9762..9881, 9857..9979, 9857..10015, 9875..10030, 9876..10034, 9882..10028, 9885..9992, 9885..10040, 9887..10084, 9890..10042, 9890..10042, 9897..10049, 9977..10039, 9977..10069, 10017..10070, 10017..10124, 10048..10071, 10048..10125, 10055..10132, 10060..10179, 10063..10179, 10075..10173, 10097..10204, 10100..10213, 10108..10263, 10109..10189, 10120..10248, 10151..10177		

Seq. No.	20648	Seq. ID	OJ990826_01.9C28.C12
Gene No.	43017	Strand	+
Start	6546	End	8872
Name	OJ990826_01.9C28.C12.o1.np	Method	AAT/NAP
Start	6546	End	8872
GI	6498441	Score	1519
Exons	6546..7605, 7929..8365, 8429..8872		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20648	Seq. ID	OJ990826_01.9C28.C12
Gene No.	43018	Strand	-
Start	724	End	3038
Name	OJ990826_01.9C28.C12.o1.gs	Method	GENSCAN
Start	724	End	3038

GI	none	Score	.82
Exons	724..886, 891..998, 2583..2711, 2860..3038		

Seq. No.	20648	Seq. ID	OJ990826_01.9C28.C12
Gene No.	43019	Strand	
Start	6740	End	7052
Name	OJ990826_01.9C28.C12.o2.tw	Method	TBLASTX:Wheat
Start	6740	End	7052
GI	none	Score	117
Exons	6740..6847, 6741..6848, 6816..7052, 6837..7052		

Seq. No.	20648	Seq. ID	OJ990826_01.9C28.C12
Gene No.	43020	Strand	
Start	7817	End	8558
Name	OJ990826_01.9C28.C12.o1.tw	Method	TBLASTX:Wheat
Start	7817	End	8558
GI	none	Score	127
Exons	7817..8047, 8046..8120, 8051..8110, 8125..8235, 8126..8275, 8249..8278, 8411..8557, 8448..8558		

Seq. No.	20649	Seq. ID	OJ990826_01.9C28.C13
Gene No.	43021	Strand	+
Start	324	End	7859
Name	OJ990826_01.9C28.C13.o1.gs	Method	GENSCAN
Start	324	End	7859
GI	none	Score	.46
Exons	324..356, 736..787, 1294..1422, 1999..2158, 2485..2696, 3184..3263, 4443..4926, 5615..5727, 5963..6183, 6345..6545, 7856..7859		

Seq. No.	20649	Seq. ID	OJ990826_01.9C28.C13
Gene No.	43022	Strand	-
Start	2771	End	2943
Name	OJ990826_01.9C28.C13.o1.gp	Method	AAT/GAP
Start	2771	End	2943
GI	LIB3433-026-P1-K1-C1	Score	258
Exons	2771..2943		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20649	Seq. ID	OJ990826_01.9C28.C13
Gene No.	43023	Strand	-
Start	3489	End	3919
Name	OJ990826_01.9C28.C13.o2.gp	Method	AAT/GAP
Start	3489	End	3919
GI	2428185	Score	684
Exons	3489..3919		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	20650	Seq. ID	OJ990826_01.9C28.C14
Gene No.	43024	Strand	-
Start	293	End	716
Name	OJ990826_01.9C28.C14.o1.ts	Method	TBLASTX:Soybean
Start	291	End	716
GI	none	Score	175
Exons	291..524, 293..499, 293..559, 294..557, 566..706, 567..716		

Seq. No.	20650	Seq. ID	OJ990826_01.9C28.C14
Gene No.	43024	Strand	-
Start	293	End	716
Name	OJ990826_01.9C28.C14.o1.tm	Method	TBLASTX:Maize
Start	292	End	608
GI	none	Score	355
Exons	292..606, 293..607, 293..607, 294..608		

Seq. No.	20650	Seq. ID	OJ990826_01.9C28.C14
Gene No.	43024	Strand	-
Start	293	End	716
Name	OJ990826_01.9C28.C14.o1.np	Method	AAT/NAP
Start	293	End	634
GI	6056205	Score	484
Exons	293..634		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	20650	Seq. ID	OJ990826_01.9C28.C14
Gene No.	43024	Strand	-
Start	293	End	716
Name	OJ990826_01.9C28.C14.o1.tc	Method	TBLASTX:Cress
Start	296	End	655
GI	none	Score	82
Exons	296..565, 314..496, 315..575, 587..655		

Seq. No.	20650	Seq. ID	OJ990826_01.9C28.C14
Gene No.	43024	Strand	-
Start	293	End	716
Name	OJ990826_01.9C28.C14.o1.gs	Method	GENSCAN
Start	361	End	705
GI	none	Score	.77
Exons	361..705		

Seq. No.	20650	Seq. ID	OJ990826_01.9C28.C14
Gene No.	43024	Strand	-
Start	293	End	716
Name	OJ990826_01.9C28.C14.o1.tw	Method	TBLASTX:Wheat
Start	401	End	563
GI	none	Score	85
Exons	401..562, 432..563		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43025	Strand	+
Start	4050	End	9376
Name	OJ990826_01.9C28.C16.o2.np	Method	AAT/NAP
Start	4050	End	9376
GI	2586082	Score	769
Exons	4050..4131, 5196..5733, 6610..6739, 6975..7591, 9352..9376		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43025	Strand	+
Start	4050	End	9376
Name	OJ990826_01.9C28.C16.o1.gp	Method	AAT/GAP
Start	6615	End	6689
GI	uC-osrocyp010g06b1	Score	101

Exons	6615..6689		
GI Descrip.	'6056374/gb|AAF02838.1|AC009894_9 8.0e-22 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43026	Strand	-
Start	999	End	2036
Name	OJ990826_01.9C28.C16.o1.np	Method	AAT/NAP
Start	999	End	2036
GI	4587240	Score	1275
Exons	999..2036		
GI Descrip.	(AB022164) A1.1-4 [Oryza sativa]		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43026	Strand	-
Start	999	End	2036
Name	OJ990826_01.9C28.C16.o2.tm	Method	TBLASTX:Maize
Start	1209	End	1724
GI	none	Score	50
Exons	1209..1424, 1440..1574, 1668..1724		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43026	Strand	-
Start	999	End	2036
Name	OJ990826_01.9C28.C16.o1.ts	Method	TBLASTX:Soybean
Start	1254	End	1574
GI	none	Score	106
Exons	1254..1487, 1254..1574, 1255..1551		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43026	Strand	-
Start	999	End	2036
Name	OJ990826_01.9C28.C16.o1.tc	Method	TBLASTX:Cress
Start	1278	End	1817
GI	none	Score	63
Exons	1278..1379, 1452..1715, 1776..1817		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43026	Strand	-
Start	999	End	2036
Name	OJ990826_01.9C28.C16.o2.ts	Method	TBLASTX:Soybean
Start	1599	End	2018
GI	none	Score	68
Exons	1599..1814, 1669..1815, 1896..1976, 1974..2018		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43027	Strand	
Start	5203	End	5723
Name	OJ990826_01.9C28.C16.o1.tm	Method	TBLASTX:Maize
Start	5203	End	5627
GI	none	Score	50
Exons	5203..5256, 5204..5254, 5237..5347, 5343..5627, 5361..5585, 5366..5620		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43027	Strand	
Start	5203	End	5723

Name	OJ990826_01.9C28.C16.o2.tw	Method	TBLASTX:Wheat
Start	5433	End	5723
GI	none	Score	187
Exons	5433..5723		

Seq. No.	20651	Seq. ID	OJ990826_01.9C28.C16
Gene No.	43028	Strand	
Start	7142	End	7428
Name	OJ990826_01.9C28.C16.o1.tw	Method	TBLASTX:Wheat
Start	7142	End	7428
GI	none	Score	176
Exons	7142..7318, 7155..7340, 7173..7319, 7318..7428, 7319..7426		

Seq. No.	20652	Seq. ID	OJ990826_01.9C28.C17
Gene No.	43029	Strand	-
Start	47	End	1054
Name	OJ990826_01.9C28.C17.o1.gs	Method	GENSCAN
Start	47	End	1054
GI	none	Score	.44
Exons	47..603, 975..1054		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43030	Strand	+
Start	3028	End	8057
Name	OJ990826_01.9C28.C18.o2.gs	Method	GENSCAN
Start	3028	End	8057
GI	none	Score	.6
Exons	3028..3207, 3669..3998, 4275..4787, 4883..4928, 5646..6034, 7230..8057		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43030	Strand	+
Start	3028	End	8057
Name	OJ990826_01.9C28.C18.o1.np	Method	AAT/NAP
Start	3691	End	8054
GI	6553902	Score	2315
Exons	3691..4787, 5564..6034, 7143..8054		
GI Descrip.	(AC012563) putative golgi transport complex protein [Arabidopsis thaliana]		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43031	Strand	+
Start	9214	End	9619
Name	OJ990826_01.9C28.C18.o3.gs	Method	GENSCAN
Start	9214	End	9619
GI	none	Score	.85
Exons	9214..9406, 9486..9619		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43032	Strand	-
Start	1280	End	1871
Name	OJ990826_01.9C28.C18.o1.gs	Method	GENSCAN
Start	1280	End	1871
GI	none	Score	.97
Exons	1280..1572, 1733..1871		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18

Gene No.	43033	Strand	
Start	4266	End	4532
Name	OJ990826_01.9C28.C18.o3.tm	Method	TBLASTX:Maize
Start	4266	End	4532
GI	none	Score	144
Exons	4266..4373, 4272..4370, 4325..4372, 4374..4532, 4377..4517, 4379..4525		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43034	Strand	
Start	5588	End	7813
Name	OJ990826_01.9C28.C18.o1.ts	Method	TBLASTX:Soybean
Start	5588	End	6043
GI	none	Score	364
Exons	5588..5887, 5589..5888, 5590..5886, 5888..6043, 5890..6027		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43034	Strand	
Start	5588	End	7813
Name	OJ990826_01.9C28.C18.o2.tm	Method	TBLASTX:Maize
Start	5593	End	5854
GI	none	Score	236
Exons	5593..5814, 5605..5853, 5606..5854		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43034	Strand	
Start	5588	End	7813
Name	OJ990826_01.9C28.C18.o2.tc	Method	TBLASTX:Cress
Start	5888	End	7424
GI	none	Score	131
Exons	5888..6043, 5890..6030, 7127..7408, 7131..7424		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43034	Strand	
Start	5588	End	7813
Name	OJ990826_01.9C28.C18.o1.tm	Method	TBLASTX:Maize
Start	7254	End	7813
GI	none	Score	718
Exons	7254..7811, 7255..7812, 7259..7813, 7259..7813		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43035	Strand	
Start	7856	End	8184
Name	OJ990826_01.9C28.C18.o1.tc	Method	TBLASTX:Cress
Start	7856	End	8045
GI	none	Score	283
Exons	7856..8032, 7857..8045		

Seq. No.	20653	Seq. ID	OJ990826_01.9C28.C18
Gene No.	43035	Strand	
Start	7856	End	8184
Name	OJ990826_01.9C28.C18.o4.tm	Method	TBLASTX:Maize
Start	7920	End	8184
GI	none	Score	211
Exons	7920..8045, 7924..8049, 7925..8050, 8098..8184, 8099..8167		

Seq. No.	20654	Seq. ID	OJ990826_01.9C28.C19

Gene No.	43036	Strand	+
Start	1	End	783
Name	OJ990826_01.9C28.C19.o1.np	Method	AAT/NAP
Start	1	End	783
GI	6056205	Score	613
Exons	1..345, 628..783		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	20654	Seq. ID	OJ990826_01.9C28.C19
Gene No.	43036	Strand	+
Start	1	End	783
Name	OJ990826_01.9C28.C19.o1.ts	Method	TBLASTX:Soybean
Start	26	End	763
GI	none	Score	398
Exons	26..343, 66..344, 75..353, 82..372, 181..354, 624..761, 626..763, 626..763		

Seq. No.	20654	Seq. ID	OJ990826_01.9C28.C19
Gene No.	43036	Strand	+
Start	1	End	783
Name	OJ990826_01.9C28.C19.o1.tc	Method	TBLASTX:Cress
Start	113	End	689
GI	none	Score	272
Exons	113..334, 114..335, 199..342, 645..689		

Seq. No.	20654	Seq. ID	OJ990826_01.9C28.C19
Gene No.	43036	Strand	+
Start	1	End	783
Name	OJ990826_01.9C28.C19.o1.tm	Method	TBLASTX:Maize
Start	113	End	716
GI	none	Score	289
Exons	113..346, 114..347, 114..347, 645..716		

Seq. No.	20654	Seq. ID	OJ990826_01.9C28.C19
Gene No.	43036	Strand	+
Start	1	End	783
Name	OJ990826_01.9C28.C19.o1.tw	Method	TBLASTX:Wheat
Start	117	End	304
GI	none	Score	210
Exons	117..302, 117..263, 119..304		

Seq. No.	20654	Seq. ID	OJ990826_01.9C28.C19
Gene No.	43036	Strand	+
Start	1	End	783
Name	OJ990826_01.9C28.C19.o1.gs	Method	GENSCAN
Start	169	End	345
GI	none	Score	.86
Exons	169..345		

Seq. No.	20654	Seq. ID	OJ990826_01.9C28.C19
Gene No.	43036	Strand	+
Start	1	End	783
Name	OJ990826_01.9C28.C19.o1.gp	Method	AAT/GAP
Start	665	End	783
GI	60364_1.R1084	Score	238
Exons	665..783		
GI Descrip.	'6056205/gb|AAF02822.1|AC009400_18 7.0e-28 (AC009400) unknown		

protein [Arabidopsis thaliana]'

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43037	Strand	+
Start	1	End	10461
Name	OJ990826_01.9C28.C20.o2.np	Method	AAT/NAP
Start	1	End	6452
GI	1947160	Score	192
Exons	1..32, 4052..4135, 4284..4417, 5275..5467, 5656..5898, 6200..6452		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43037	Strand	+
Start	1	End	10461
Name	OJ990826_01.9C28.C20.o2.gs	Method	GENSCAN
Start	3491	End	10461
GI	none	Score	.6
Exons	3491..3568, 3891..4233, 4354..4417, 4478..4631, 5212..5294, 5536..6059, 6145..6238, 6244..6534, 8228..8482, 10269..10461		

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43037	Strand	+
Start	1	End	10461
Name	OJ990826_01.9C28.C20.o1.gp	Method	AAT/GAP
Start	8019	End	8127
GI	uC-osflcyp088b12b1	Score	138
Exons	8019..8127		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43037	Strand	+
Start	1	End	10461
Name	OJ990826_01.9C28.C20.o3.np	Method	AAT/NAP
Start	9155	End	9423
GI	6730746	Score	82
Exons	9155..9227, 9309..9423		
GI Descrip.	(AC018849) putative N-terminal acetyltransferase [Arabidopsis thaliana]		

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43038	Strand	-
Start	100	End	2193
Name	OJ990826_01.9C28.C20.o1.gs	Method	GENSCAN
Start	100	End	2193
GI	none	Score	.52
Exons	100..924, 1060..2193		

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43038	Strand	-
Start	100	End	2193
Name	OJ990826_01.9C28.C20.o1.np	Method	AAT/NAP
Start	589	End	1617
GI	4587240	Score	1734
Exons	589..1617		

GI Descrip. (AB022164) A1.1-4 [Oryza sativa]

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43039	Strand	-
Start	11274	End	11398
Name	OJ990826_01.9C28.C20.o1.ts	Method	TBLASTX:Soybean
Start	682	End	1395
GI	none	Score	53
Exons	682..735, 835..1026, 1066..1143, 1177..1356, 1363..1395		

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43039	Strand	-
Start	11274	End	11398
Name	OJ990826_01.9C28.C20.o1.tm	Method	TBLASTX:Maize
Start	793	End	1306
GI	none	Score	41
Exons	793..1017, 859..1014, 1006..1155, 1085..1156, 1249..1305, 1265..1306		

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43039	Strand	-
Start	11274	End	11398
Name	OJ990826_01.9C28.C20.o1.tc	Method	TBLASTX:Cress
Start	898	End	1599
GI	none	Score	84
Exons	898..1029, 1030..1146, 1195..1230, 1351..1386, 1480..1599		

Seq. No.	20655	Seq. ID	OJ990826_01.9C28.C20
Gene No.	43039	Strand	-
Start	11274	End	11398
Name	OJ990826_01.9C28.C20.o4.np	Method	AAT/NAP
Start	11274	End	11398
GI	6815099	Score	92
Exons	11274..11398		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	20656	Seq. ID	OJ991107_47.0118.C5
Gene No.	43040	Strand	+
Start	419	End	688
Name	OJ991107_47.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	416	End	619
GI	none	Score	285
Exons	416..619, 418..615		

Seq. No.	20656	Seq. ID	OJ991107_47.0118.C5
Gene No.	43040	Strand	+
Start	419	End	688
Name	OJ991107_47.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	416	End	619
GI	none	Score	274
Exons	416..619, 418..615		

Seq. No.	20656	Seq. ID	OJ991107_47.0118.C5
Gene No.	43040	Strand	+
Start	419	End	688
Name	OJ991107_47.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	416	End	619

GI	none	Score	274
Exons	416..619, 418..615		

Seq. No.	20656	Seq. ID	OJ991107_47.0118.C5
Gene No.	43040	Strand	+
Start	419	End	688
Name	OJ991107_47.0118.C5.o1.gs	Method	GENSCAN
Start	419	End	619
GI	none	Score	.76
Exons	419..619		

Seq. No.	20656	Seq. ID	OJ991107_47.0118.C5
Gene No.	43040	Strand	+
Start	419	End	688
Name	OJ991107_47.0118.C5.o1.np	Method	AAT/NAP
Start	419	End	688
GI	6466946	Score	230
Exons	419..688		
GI Descrip.	(AC009176) putative P-protein: chorismate mutase, prephenate dehydratase [Arabidopsis thaliana]		

Seq. No.	20656	Seq. ID	OJ991107_47.0118.C5
Gene No.	43040	Strand	+
Start	419	End	688
Name	OJ991107_47.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	431	End	621
GI	none	Score	277
Exons	431..619, 433..615, 439..621		

Seq. No.	20657	Seq. ID	OJ991107_47.0118.C12
Gene No.	43041	Strand	-
Start	10	End	904
Name	OJ991107_47.0118.C12.o1.gs	Method	GENSCAN
Start	10	End	904
GI	none	Score	.72
Exons	10..102, 658..904		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43042	Strand	+
Start	1971	End	2538
Name	OJ991107_47.0118.C15.o1.gs	Method	GENSCAN
Start	1971	End	2538
GI	none	Score	.82
Exons	1971..2332, 2355..2538		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o1.np	Method	AAT/NAP
Start	3662	End	6971
GI	3860271	Score	1103
Exons	3662..3689, 4867..5765, 5799..6971		
GI Descrip.	(AC005824) putative selenium-binding protein [Arabidopsis thaliana]		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+

Start	3662	End	6974
Name	OJ991107_47.0118.C15.o1.tm	Method	TBLASTX:Maize
Start	4874	End	6674
GI	none	Score	87
Exons	4874..5110, 4875..5243, 4914..5291, 4920..5192, 5091..5438, 5199..5438, 5199..5429, 5466..5759, 5493..5744, 5499..5741, 5676..5756, 5751..6161, 5781..5936, 5799..5933, 5835..6674, 5840..6160, 6048..6251, 6056..6403, 6468..6536		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o1.tw	Method	TBLASTX:Wheat
Start	4914	End	6272
GI	none	Score	178
Exons	4914..5270, 5160..5444, 5174..5425, 5466..5744, 5772..5912, 5789..6271, 5790..6272		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o3.tc	Method	TBLASTX:Cress
Start	4914	End	6059
GI	none	Score	154
Exons	4914..5186, 4920..5180, 5019..5432, 5208..5426, 5231..5422, 5472..5735, 5637..5747, 5658..5732, 5796..6056, 5835..5933, 5844..6059		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o3.ts	Method	TBLASTX:Soybean
Start	4920	End	6125
GI	none	Score	91
Exons	4920..5111, 5043..5441, 5249..5419, 5465..5674, 5466..5759, 5652..5747, 5796..6023, 5988..6125		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o1.tc	Method	TBLASTX:Cress
Start	5979	End	6683
GI	none	Score	47
Exons	5979..6017, 6060..6551, 6570..6683		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o1.ts	Method	TBLASTX:Soybean
Start	6132	End	6665
GI	none	Score	349
Exons	6132..6665, 6161..6400, 6503..6535		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o2.tc	Method	TBLASTX:Cress

Start	6711	End	6968
GI	none	Score	229
Exons	6711..6968, 6767..6964		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o2.ts	Method	TBLASTX:Soybean
Start	6732	End	6974
GI	none	Score	250
Exons	6732..6968, 6762..6974		

Seq. No.	20658	Seq. ID	OJ991107_47.0118.C15
Gene No.	43043	Strand	+
Start	3662	End	6974
Name	OJ991107_47.0118.C15.o2.tm	Method	TBLASTX:Maize
Start	6762	End	6968
GI	none	Score	228
Exons	6762..6968, 6762..6944		

Seq. No.	20659	Seq. ID	OJ991107_47.0118.C16
Gene No.	43044	Strand	-
Start	303	End	1758
Name	OJ991107_47.0118.C16.o1.gs	Method	GENSCAN
Start	303	End	1758
GI	none	Score	.79
Exons	303..452, 515..659, 1361..1758		

Seq. No.	20659	Seq. ID	OJ991107_47.0118.C16
Gene No.	43044	Strand	-
Start	303	End	1758
Name	OJ991107_47.0118.C16.o1.tm	Method	TBLASTX:Maize
Start	315	End	1473
GI	none	Score	120
Exons	315..464, 316..447, 582..695, 582..644, 587..658, 1384..1473		

Seq. No.	20659	Seq. ID	OJ991107_47.0118.C16
Gene No.	43044	Strand	-
Start	303	End	1758
Name	OJ991107_47.0118.C16.o1.gp	Method	AAT/GAP
Start	409	End	659
GI	none	Score	185
Exons	409..452, 587..659		

Seq. No.	20659	Seq. ID	OJ991107_47.0118.C16
Gene No.	43044	Strand	-
Start	303	End	1758
Name	OJ991107_47.0118.C16.o2.gp	Method	AAT/GAP
Start	1357	End	1446
GI	none	Score	136
Exons	1357..1446		

Seq. No.	20660	Seq. ID	OJ991107_47.0118.C17
Gene No.	43045	Strand	+
Start	5270	End	9428
Name	OJ991107_47.0118.C17.o2.gs	Method	GENSCAN
Start	5270	End	9428

GI	none	Score	.45
Exons	5270..5354, 5541..5587, 8261..8391, 8804..9428		

Seq. No.	20660	Seq. ID	OJ991107_47.0118.C17
Gene No.	43046	Strand	+
Start	17598	End	17747
Name	OJ991107_47.0118.C17.o4.gs	Method	GENSCAN
Start	17598	End	17747
GI	none	Score	.8
Exons	17598..17612, 17622..17747		

Seq. No.	20660	Seq. ID	OJ991107_47.0118.C17
Gene No.	43047	Strand	+
Start	19390	End	21267
Name	OJ991107_47.0118.C17.o5.gs	Method	GENSCAN
Start	19390	End	21267
GI	none	Score	.52
Exons	19390..19672, 19677..19806, 20480..20846, 20873..21047, 21092..21267		

Seq. No.	20660	Seq. ID	OJ991107_47.0118.C17
Gene No.	43048	Strand	-
Start	10	End	3139
Name	OJ991107_47.0118.C17.o1.gs	Method	GENSCAN
Start	10	End	3139
GI	none	Score	.71
Exons	10..1615, 1693..1803, 2688..2905, 3031..3139		

Seq. No.	20660	Seq. ID	OJ991107_47.0118.C17
Gene No.	43049	Strand	-
Start	9776	End	12687
Name	OJ991107_47.0118.C17.o1.tm	Method	TBLASTX:Maize
Start	47	End	310
GI	none	Score	261
Exons	47..304, 60..305, 149..310		

Seq. No.	20660	Seq. ID	OJ991107_47.0118.C17
Gene No.	43049	Strand	-
Start	9776	End	12687
Name	OJ991107_47.0118.C17.o1.tw	Method	TBLASTX:Wheat
Start	72	End	298
GI	none	Score	213
Exons	72..287, 73..291, 74..298		

Seq. No.	20660	Seq. ID	OJ991107_47.0118.C17
Gene No.	43049	Strand	-
Start	9776	End	12687
Name	OJ991107_47.0118.C17.o3.gs	Method	GENSCAN
Start	9776	End	12687
GI	none	Score	.47
Exons	9776..9787, 9843..10116, 12596..12687		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43050	Strand	+
Start	78	End	2437
Name	OJ991107_47.0118.C18.o1.gs	Method	GENSCAN
Start	78	End	2437

GI	none	Score	.64
Exons	78..84, 2056..2187, 2274..2437		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43051	Strand	+
Start	3900	End	6916
Name	OJ991107_47.0118.C18.o2.gs	Method	GENSCAN
Start	3900	End	6916
GI	none	Score	.54
Exons	3900..3911, 6824..6916		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43052	Strand	+
Start	11235	End	12981
Name	OJ991107_47.0118.C18.o1.np	Method	AAT/NAP
Start	11235	End	12981
GI	6523083	Score	1245
Exons	11235..11295, 11434..12391, 12434..12706, 12734..12981		
GI Descrip.	(AL133315) cytochrome P450-like protein [Arabidopsis thaliana]		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43053	Strand	+
Start	17199	End	18188
Name	OJ991107_47.0118.C18.o5.gs	Method	GENSCAN
Start	17199	End	18188
GI	none	Score	.65
Exons	17199..18188		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43054	Strand	-
Start	9689	End	10349
Name	OJ991107_47.0118.C18.o3.gs	Method	GENSCAN
Start	9689	End	10349
GI	none	Score	.75
Exons	9689..9906, 9974..10148, 10320..10349		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43055	Strand	-
Start	20529	End	21527
Name	OJ991107_47.0118.C18.o6.gs	Method	GENSCAN
Start	20529	End	21527
GI	none	Score	.62
Exons	20529..20591, 20929..21035, 21425..21527		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43056	Strand	-
Start	23447	End	23678
Name	OJ991107_47.0118.C18.o2.tw	Method	TBLASTX:Wheat
Start	337	End	671
GI	none	Score	266
Exons	337..669, 438..671		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43056	Strand	-
Start	23447	End	23678
Name	OJ991107_47.0118.C18.o2.tm	Method	TBLASTX:Maize
Start	747	End	1041

GI	none	Score	182
Exons	747..860, 748..945, 940..1041		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43056	Strand	-
Start	23447	End	23678
Name	OJ991107_47.0118.C18.o1.tc	Method	TBLASTX:Cress
Start	11475	End	12879
GI	none	Score	62
Exons	11475..11570, 11618..11767, 11619..11852, 12058..12159, 12256..12393, 12285..12374, 12475..12549, 12540..12686, 12562..12690, 12763..12879		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43056	Strand	-
Start	23447	End	23678
Name	OJ991107_47.0118.C18.o1.tm	Method	TBLASTX:Maize
Start	11475	End	12879
GI	none	Score	67
Exons	11475..11570, 11618..11767, 11619..11768, 11629..11664, 11664..11849, 12058..12159, 12253..12405, 12255..12377, 12475..12690, 12486..12686, 12763..12879, 12777..12851, 12778..12852		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43056	Strand	-
Start	23447	End	23678
Name	OJ991107_47.0118.C18.o1.ts	Method	TBLASTX:Soybean
Start	11619	End	12953
GI	none	Score	210
Exons	11619..11855, 11621..11767, 11880..11963, 11881..11961, 12058..12162, 12217..12390, 12472..12687, 12486..12686, 12759..12953, 12760..12936		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43056	Strand	-
Start	23447	End	23678
Name	OJ991107_47.0118.C18.o1.tw	Method	TBLASTX:Wheat
Start	12486	End	12879
GI	none	Score	225
Exons	12486..12686, 12493..12687, 12757..12879, 12759..12851, 12769..12879		

Seq. No.	20661	Seq. ID	OJ991107_47.0118.C18
Gene No.	43056	Strand	-
Start	23447	End	23678
Name	OJ991107_47.0118.C18.o2.np	Method	AAT/NAP
Start	23447	End	23678
GI	4585985	Score	82
Exons	23447..23678		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43057	Strand	+
Start	415	End	3073
Name	OJ991107_47.0118.C19.o1.gs	Method	GENSCAN
Start	415	End	3073

GI	none	Score	.45
Exons	415..471, 1343..1425, 2063..2209, 2268..2487, 3032..3073		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43057	Strand	+
Start	415	End	3073
Name	OJ991107_47.0118.C19.o1.gp	Method	AAT/GAP
Start	1435	End	1490
GI	16490_1.R1084	Score	87
Exons	1435..1490		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o1.np	Method	AAT/NAP
Start	2920	End	8129
GI	6623973	Score	1877
Exons	2920..3054, 3558..5342, 5531..6573, 8106..8129		
GI Descrip.	(AC007505) Highly similar to Tal-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o3.tm	Method	TBLASTX:Maize
Start	2929	End	3813
GI	none	Score	72
Exons	2929..3021, 2934..3011, 2935..3021, 3556..3630, 3630..3812, 3630..3812, 3637..3813		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o2.gs	Method	GENSCAN
Start	3447	End	6766
GI	none	Score	.44
Exons	3447..3897, 4773..5226, 5650..6766		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o3.ts	Method	TBLASTX:Soybean
Start	3556	End	3830
GI	none	Score	36
Exons	3556..3630, 3569..3628, 3630..3821, 3630..3830, 3691..3828		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o4.tw	Method	TBLASTX:Wheat
Start	3556	End	3909
GI	none	Score	77
Exons	3556..3630, 3672..3824, 3675..3878, 3688..3909		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19

Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o1.tm	Method	TBLASTX:Maize
Start	3813	End	4343
GI	none	Score	174
Exons	3813..3875, 3915..4220, 3925..4218, 3933..4232, 3935..4231, 4194..4343		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o2.tw	Method	TBLASTX:Wheat
Start	4005	End	4625
GI	none	Score	141
Exons	4005..4460, 4455..4625		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o4.tm	Method	TBLASTX:Maize
Start	4347	End	4786
GI	none	Score	39
Exons	4347..4736, 4751..4786		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o1.ts	Method	TBLASTX:Soybean
Start	4409	End	4736
GI	none	Score	98
Exons	4409..4627, 4416..4616, 4416..4736, 4471..4731		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o1.tw	Method	TBLASTX:Wheat
Start	4629	End	5047
GI	none	Score	138
Exons	4629..4736, 4630..4737, 4642..4737, 4736..5047, 4758..5042		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o2.ts	Method	TBLASTX:Soybean
Start	5533	End	5908
GI	none	Score	65
Exons	5533..5592, 5603..5908, 5613..5750, 5654..5869, 5769..5900		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19
Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o3.tw	Method	TBLASTX:Wheat
Start	5539	End	6143
GI	none	Score	84
Exons	5539..5580, 5690..5920, 5690..6142, 5766..5927, 5973..6143		

Seq. No.	20662	Seq. ID	OJ991107_47.0118.C19

Gene No.	43058	Strand	-
Start	2920	End	8129
Name	OJ991107_47.0118.C19.o2.tm	Method	TBLASTX:Maize
Start	5669	End	6151
GI	none	Score	74
Exons	5669..6151, 5699..5953, 5715..6017		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43059	Strand	+
Start	241	End	970
Name	OJ991107_47.0118.C20.o1.gs	Method	GENSCAN
Start	241	End	970
GI	none	Score	.69
Exons	241..361, 632..766, 804..970		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43060	Strand	+
Start	3589	End	8252
Name	OJ991107_47.0118.C20.o4.gs	Method	GENSCAN
Start	3589	End	8252
GI	none	Score	.83
Exons	3589..3728, 3970..4132, 4285..4527, 4672..4717, 5615..5756, 7754..7833, 8182..8252		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43060	Strand	+
Start	3589	End	8252
Name	OJ991107_47.0118.C20.o1.gp	Method	AAT/GAP
Start	4318	End	5705
GI	2443049	Score	607
Exons	4318..4527, 4672..4717, 5615..5705		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43061	Strand	+
Start	11957	End	12054
Name	OJ991107_47.0118.C20.o2.gp	Method	AAT/GAP
Start	11957	End	12054
GI	LIB3477-003-P1-K1-E9	Score	146
Exons	11957..12054		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43062	Strand	+
Start	16119	End	17906
Name	OJ991107_47.0118.C20.o6.gs	Method	GENSCAN
Start	16119	End	17906
GI	none	Score	.78
Exons	16119..16158, 17716..17906		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43063	Strand	+
Start	24036	End	25937
Name	OJ991107_47.0118.C20.o8.gs	Method	GENSCAN
Start	24036	End	25937
GI	none	Score	.85

Exons	24036..24173, 24557..24625, 25317..25437, 25652..25746, 25839..25937		
Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43063	Strand	+
Start	24036	End	25937
Name	OJ991107_47.0118.C20.o2.np	Method	AAT/NAP
Start	24557	End	25934
GI	2760317	Score	650
Exons	24557..24625, 24951..25066, 25160..25214, 25317..25437, 25518..25570, 25605..25746, 25839..25934		
GI Descrip.	(AC002130) F1N21.1 [Arabidopsis thaliana]		
Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43064	Strand	+
Start	28720	End	30228
Name	OJ991107_47.0118.C20.o10.gs	Method	GENSCAN
Start	28720	End	30228
GI	none	Score	.74
Exons	28720..28807, 29747..30228		
Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43065	Strand	-
Start	1441	End	2109
Name	OJ991107_47.0118.C20.o2.gs	Method	GENSCAN
Start	1441	End	2109
GI	none	Score	.8
Exons	1441..1515, 1699..2109		
Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43066	Strand	-
Start	2443	End	2715
Name	OJ991107_47.0118.C20.o3.gs	Method	GENSCAN
Start	2443	End	2715
GI	none	Score	.99
Exons	2443..2715		
Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43067	Strand	-
Start	18704	End	22557
Name	OJ991107_47.0118.C20.o7.gs	Method	GENSCAN
Start	18704	End	22557
GI	none	Score	.4
Exons	18704..18787, 18820..18972, 19039..19154, 19383..19595, 20952..21070, 21927..22314, 22551..22557		
Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43068	Strand	-
Start	25032	End	27878
Name	OJ991107_47.0118.C20.o3.np	Method	AAT/NAP
Start	25032	End	27878
GI	3461822	Score	566
Exons	25032..25060, 26433..27878		
GI Descrip.	(AC004138) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43068	Strand	-

Start	25032	End	27878
Name	OJ991107_47.0118.C20.o9.gs	Method	GENSCAN
Start	26409	End	27845
GI	none	Score	.95
Exons	26409..27845		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o3.ts	Method	TBLASTX:Soybean
Start	24066	End	25217
GI	none	Score	75
Exons	24066..24173, 24950..25066, 24951..25067, 24963..25067, 24964..25068, 25148..25201, 25149..25217, 25158..25211		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o3.tw	Method	TBLASTX:Wheat
Start	24090	End	25211
GI	none	Score	87
Exons	24090..24173, 24950..25066, 24951..25067, 25158..25211		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o1.tm	Method	TBLASTX:Maize
Start	25041	End	25950
GI	none	Score	42
Exons	25041..25067, 25136..25213, 25158..25211, 25160..25213, 25316..25441, 25317..25442, 25319..25444, 25324..25449, 25353..25448, 25508..25564, 25519..25566, 25519..25563, 25649..25747, 25650..25772, 25651..25773, 25857..25949, 25863..25949, 25864..25950		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o2.ts	Method	TBLASTX:Soybean
Start	26425	End	26792
GI	none	Score	85
Exons	26425..26721, 26427..26657, 26670..26792, 26671..26790		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o3.tm	Method	TBLASTX:Maize
Start	26439	End	27464
GI	none	Score	97
Exons	26439..26702, 26679..27053, 26686..27033, 26826..27041, 26851..27042, 26883..27041, 27123..27464, 27132..27290, 27183..27431, 27198..27431		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o1.tc	Method	TBLASTX:Cress

Start	26571	End	27263
GI	none	Score	60
Exons	26571..26657, 26700..27041, 26829..26969, 27141..27263		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o2.tw	Method	TBLASTX:Wheat
Start	26734	End	27224
GI	none	Score	148
Exons	26734..27051, 26736..27053, 27129..27224		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o3.gp	Method	AAT/GAP
Start	30551	End	32035
GI	20758_1.R1084	Score	1512
Exons	30551..30887, 31079..31197, 31283..31392, 31629..31730, 31816..32035		
GI Descrip.	'2984225 2.0e-34 (AE000766) enolase-phosphatase E-1 [Aquifex aeolicus]'		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o2.tm	Method	TBLASTX:Maize
Start	30777	End	31987
GI	none	Score	109
Exons	30777..30887, 30792..30887, 30796..30891, 30797..30889, 31072..31173, 31077..31202, 31077..31196, 31282..31392, 31284..31382, 31286..31393, 31310..31399, 31581..31739, 31627..31731, 31816..31971, 31816..31971, 31820..31987		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o1.tw	Method	TBLASTX:Wheat
Start	30781	End	31399
GI	none	Score	147
Exons	30781..30891, 30782..30889, 31072..31173, 31077..31199, 31077..31196, 31117..31209, 31282..31392, 31283..31393, 31284..31382, 31310..31399		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o5.np	Method	AAT/NAP
Start	30793	End	32382
GI	2984225	Score	195
Exons	30793..30887, 31079..31197, 31283..31392, 31629..31730, 31816..31858, 32217..32382		
GI Descrip.	(AE000766) enolase-phosphatase E-1 [Aquifex aeolicus]		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382

Name	OJ991107_47.0118.C20.o1.ts	Method	TBLASTX:Soybean
Start	30796	End	31968
GI	none	Score	107
Exons	30796..30891, 30800..30889, 31072..31170, 31077..31196, 31077..31196, 31279..31398, 31282..31392, 31286..31393, 31310..31399, 31370..31414, 31611..31739, 31627..31737, 31816..31968, 31826..31957		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o2.tc	Method	TBLASTX:Cress
Start	30796	End	31392
GI	none	Score	97
Exons	30796..30891, 30809..30889, 31045..31170, 31077..31196, 31291..31392		

Seq. No.	20663	Seq. ID	OJ991107_47.0118.C20
Gene No.	43069	Strand	-
Start	30551	End	32382
Name	OJ991107_47.0118.C20.o11.gs	Method	GENSCAN
Start	30796	End	31965
GI	none	Score	.82
Exons	30796..30887, 31079..31197, 31283..31392, 31629..31730, 31816..31965		

Seq. No.	20664	Seq. ID	OJ991107_47.0118.C21
Gene No.	43070	Strand	+
Start	39	End	358
Name	OJ991107_47.0118.C21.o1.gs	Method	GENSCAN
Start	39	End	358
GI	none	Score	.5
Exons	39..77, 194..358		

Seq. No.	20665	Seq. ID	OJ991107_47.0118.C22
Gene No.	43071	Strand	-
Start	280	End	340
Name	OJ991107_47.0118.C22.o1.gs	Method	GENSCAN
Start	280	End	340
GI	none	Score	.95
Exons	280..340		

Seq. No.	20666	Seq. ID	OJ991107_47.0118.C23
Gene No.	43072	Strand	+
Start	482	End	1095
Name	OJ991107_47.0118.C23.o1.np	Method	AAT/NAP
Start	482	End	1095
GI	2498930	Score	660
Exons	482..540, 708..1095		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20666	Seq. ID	OJ991107_47.0118.C23
Gene No.	43073	Strand	-
Start	186	End	1048
Name	OJ991107_47.0118.C23.o1.gs	Method	GENSCAN
Start	186	End	1048

GI	none	Score	.89
Exons	186..347, 941..1048		
Seq. No.	20667	Seq. ID	OJ991107_47.0118.C24
Gene No.	43074	Strand	+
Start	215	End	370
Name	OJ991107_47.0118.C24.o1.gs	Method	GENSCAN
Start	215	End	370
GI	none	Score	.96
Exons	215..370		
Seq. No.	20668	Seq. ID	OJ991107_47.0118.C25
Gene No.	43075	Strand	+
Start	145	End	289
Name	OJ991107_47.0118.C25.o1.gs	Method	GENSCAN
Start	145	End	289
GI	none	Score	.74
Exons	145..159, 214..289		
Seq. No.	20669	Seq. ID	OJ991107_47.0118.C26
Gene No.	43076	Strand	+
Start	525	End	922
Name	OJ991107_47.0118.C26.o1.tm	Method	TBLASTX:Maize
Start	510	End	655
GI	none	Score	180
Exons	510..650, 529..648, 533..655		
Seq. No.	20669	Seq. ID	OJ991107_47.0118.C26
Gene No.	43076	Strand	+
Start	525	End	922
Name	OJ991107_47.0118.C26.o1.gp	Method	AAT/GAP
Start	525	End	638
GI	3851_3.R1084	Score	174
Exons	525..638		
GI Descrip.	'4056488 2.0e-20 (AC005896) unknown protein [Arabidopsis thaliana]'		
Seq. No.	20669	Seq. ID	OJ991107_47.0118.C26
Gene No.	43076	Strand	+
Start	525	End	922
Name	OJ991107_47.0118.C26.o1.gs	Method	GENSCAN
Start	529	End	638
GI	none	Score	.91
Exons	529..638		
Seq. No.	20669	Seq. ID	OJ991107_47.0118.C26
Gene No.	43076	Strand	+
Start	525	End	922
Name	OJ991107_47.0118.C26.o1.np	Method	AAT/NAP
Start	532	End	922
GI	6729501	Score	124
Exons	532..638, 906..922		
GI Descrip.	(AL132966) splicing factor-like protein [Arabidopsis thaliana]		
Seq. No.	20670	Seq. ID	OJ991107_47.0118.C27
Gene No.	43077	Strand	-
Start	1	End	390

Name	OJ991107_47.0118.C27.o1.gp	Method	AAT/GAP
Start	1	End	390
GI	none	Score	759
Exons	1..390		

Seq. No.	20671	Seq. ID	OJ991107_40.0120.C1
Gene No.	43078	Strand	-
Start	1	End	332
Name	OJ991107_40.0120.C1.o1.np	Method	AAT/NAP
Start	1	End	332
GI	2498930	Score	196
Exons	1..96, 264..332		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20671	Seq. ID	OJ991107_40.0120.C1
Gene No.	43078	Strand	-
Start	1	End	332
Name	OJ991107_40.0120.C1.o1.gs	Method	GENSCAN
Start	52	End	323
GI	none	Score	.84
Exons	52..96, 264..323		

Seq. No.	20672	Seq. ID	OJ991107_40.0120.C2
Gene No.	43079	Strand	-
Start	1	End	503
Name	OJ991107_40.0120.C2.o1.np	Method	AAT/NAP
Start	1	End	503
GI	1076580	Score	168
Exons	1..166, 258..337, 425..503		
GI Descrip.	alcohol dehydrogenase homolog ADH3b - tomato gi|913446|bbs|160508 (S75487) alcohol dehydrogenase ADH {EC 1.1.1.1} [Lycopersicon esculentum=tomatoes, cv. red cherry, Peptide, 390 aa] [Lycopersicon esculentum]		

Seq. No.	20672	Seq. ID	OJ991107_40.0120.C2
Gene No.	43079	Strand	-
Start	1	End	503
Name	OJ991107_40.0120.C2.o1.gs	Method	GENSCAN
Start	106	End	494
GI	none	Score	.82
Exons	106..170, 425..494		

Seq. No.	20673	Seq. ID	OJ991107_40.0120.C3
Gene No.	43080	Strand	-
Start	1	End	309
Name	OJ991107_40.0120.C3.o1.np	Method	AAT/NAP
Start	1	End	309
GI	1076579	Score	187
Exons	1..309		
GI Descrip.	alcohol dehydrogenase homolog ADH3a - tomato		

Seq. No.	20673	Seq. ID	OJ991107_40.0120.C3
Gene No.	43080	Strand	-
Start	1	End	309
Name	OJ991107_40.0120.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	291

GI	none	Score	96
Exons	2..97, 6..80, 83..235, 86..208, 94..291		

Seq. No.	20673	Seq. ID	OJ991107_40.0120.C3
Gene No.	43080	Strand	-
Start	1	End	309
Name	OJ991107_40.0120.C3.o1.ts	Method	TBLASTX:Soybean
Start	5	End	291
GI	none	Score	72
Exons	5..100, 6..77, 100..291		

Seq. No.	20673	Seq. ID	OJ991107_40.0120.C3
Gene No.	43080	Strand	-
Start	1	End	309
Name	OJ991107_40.0120.C3.o1.gs	Method	GENSCAN
Start	26	End	216
GI	none	Score	.72
Exons	26..216		

Seq. No.	20673	Seq. ID	OJ991107_40.0120.C3
Gene No.	43080	Strand	-
Start	1	End	309
Name	OJ991107_40.0120.C3.o1.gp	Method	AAT/GAP
Start	117	End	309
GI	LIB3432-041-P1-K1-G2	Score	322
Exons	117..309		
GI Descrip.	'2961356/emb|CAA18114.1| 2.0e-24 (AL022140) alcohol dehydrogenase like protein [Arabidopsis thaliana]'		

Seq. No.	20674	Seq. ID	OJ991107_40.0120.C5
Gene No.	43081	Strand	+
Start	1	End	274
Name	OJ991107_40.0120.C5.o1.np	Method	AAT/NAP
Start	1	End	274
GI	4455278	Score	165
Exons	1..274		
GI Descrip.	(AL035527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20674	Seq. ID	OJ991107_40.0120.C5
Gene No.	43082	Strand	-
Start	212	End	274
Name	OJ991107_40.0120.C5.o1.gp	Method	AAT/GAP
Start	212	End	274
GI	41954_1.R1084	Score	122
Exons	212..274		
GI Descrip.	'5051771/emb|CAB45064.1| 5.0e-13 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	20675	Seq. ID	OJ991107_40.0120.C7
Gene No.	43083	Strand	+
Start	292	End	488
Name	OJ991107_40.0120.C7.o1.gs	Method	GENSCAN
Start	292	End	488
GI	none	Score	.97
Exons	292..348, 435..488		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8

Gene No.	43084	Strand	+
Start	1891	End	3082
Name	OJ991107_40.0120.C8.o1.gp	Method	AAT/GAP
Start	1891	End	2288
GI	none	Score	723
Exons	1891..2288		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43084	Strand	+
Start	1891	End	3082
Name	OJ991107_40.0120.C8.o1.np	Method	AAT/NAP
Start	1962	End	3082
GI	6598642	Score	514
Exons	1962..3082		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43084	Strand	+
Start	1891	End	3082
Name	OJ991107_40.0120.C8.o2.gp	Method	AAT/GAP
Start	2359	End	2672
GI	LIB3434-028-P1-K1-G2	Score	598
Exons	2359..2672		
GI Descrip.	'4559327/gb|AAD22989.1|AC007087_8 2.0e-14 (AC007087) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43085	Strand	+
Start	3116	End	3535
Name	OJ991107_40.0120.C8.o3.gp	Method	AAT/GAP
Start	3116	End	3535
GI	46575_1.R1084	Score	705
Exons	3116..3535		
GI Descrip.	'2980773/emb|CAA18200.1| 4.0e-13 (AL022198) putative protein [Arabidopsis thaliana]'		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43086	Strand	+
Start	5059	End	8829
Name	OJ991107_40.0120.C8.o4.gp	Method	AAT/GAP
Start	4940	End	6672
GI	702287	Score	839
Exons	4940..5240, 5733..5855, 6638..6672		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43086	Strand	+
Start	5059	End	8829
Name	OJ991107_40.0120.C8.o2.gs	Method	GENSCAN
Start	5059	End	8200
GI	none	Score	.61
Exons	5059..5284, 6638..6845, 6973..7050, 7163..7254, 7655..7752, 7862..8200		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43086	Strand	+
Start	5059	End	8829
Name	OJ991107_40.0120.C8.o2.np	Method	AAT/NAP

Start	5449	End	8829
GI	4895253	Score	840
Exons	5449..5482, 7163..7291, 7665..7752, 7862..8146, 8312..8499, 8546..8829		
GI Descrip.	(AC007659) unknown protein [Arabidopsis thaliana]		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43086	Strand	+
Start	5059	End	8829
Name	OJ991107_40.0120.C8.o3.gs	Method	GENSCAN
Start	8285	End	8815
GI	none	Score	.5
Exons	8285..8815		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43087	Strand	+
Start	9190	End	17037
Name	OJ991107_40.0120.C8.o4.gs	Method	GENSCAN
Start	9190	End	17037
GI	none	Score	.55
Exons	9190..9879, 9968..10048, 10689..10790, 11730..11804, 12278..12350, 13228..13360, 14779..14925, 16271..16385, 16918..17037		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43087	Strand	+
Start	9190	End	17037
Name	OJ991107_40.0120.C8.o5.gp	Method	AAT/GAP
Start	9536	End	10082
GI	3761490	Score	817
Exons	9536..9879, 9968..10082		
GI Descrip.	2980773/emb|CAA18200.1| 4.0e-13 (AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43087	Strand	+
Start	9190	End	17037
Name	OJ991107_40.0120.C8.o3.np	Method	AAT/NAP
Start	9965	End	12004
GI	6103736	Score	165
Exons	9965..10048, 10689..10790, 11730..11804, 11918..12004		
GI Descrip.	(Y15964) chloroplast ribosomal protein L21 [Arabidopsis thaliana]		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43087	Strand	+
Start	9190	End	17037
Name	OJ991107_40.0120.C8.o6.gp	Method	AAT/GAP
Start	10685	End	12382
GI	23571_1.R1084	Score	1143
Exons	10685..10790, 11730..11804, 11918..12382		
GI Descrip.	'2980773/emb|CAA18200.1| 3.0e-26 (AL022198) putative protein [Arabidopsis thaliana]'		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43088	Strand	+
Start	18536	End	20842

Name	OJ991107_40.0120.C8.o5.gs	Method	GENSCAN
Start	18536	End	20842
GI	none	Score	.62
Exons	18536..18834, 18956..19146, 20658..20842		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43089	Strand	+
Start	21072	End	23016
Name	OJ991107_40.0120.C8.o7.gp	Method	AAT/GAP
Start	21072	End	23016
GI	3768403	Score	360
Exons	21072..21171, 22903..23016		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43090	Strand	+
Start	23916	End	28499
Name	OJ991107_40.0120.C8.o6.gs	Method	GENSCAN
Start	23916	End	28047
GI	none	Score	.79
Exons	23916..25319, 25490..25621, 25706..25849, 25922..26128, 26243..26306, 26866..27005, 27103..27414, 27820..28047		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43090	Strand	+
Start	23916	End	28499
Name	OJ991107_40.0120.C8.o4.np	Method	AAT/NAP
Start	24035	End	28469
GI	3757521	Score	1076
Exons	24035..25319, 25490..25690, 25731..26128, 26243..26306, 26866..27005, 27103..27414, 27820..28043, 28448..28469		
GI Descrip.	(AC005167) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43090	Strand	+
Start	23916	End	28499
Name	OJ991107_40.0120.C8.o8.gp	Method	AAT/GAP
Start	24733	End	25152
GI	LIB3432-016-P1-K1-C12	Score	783
Exons	24733..25152		
GI Descrip.	'3757521 2.0e-13 (AC005167) unknown protein [Arabidopsis thaliana]'		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43090	Strand	+
Start	23916	End	28499
Name	OJ991107_40.0120.C8.o9.gp	Method	AAT/GAP
Start	25464	End	28499
GI	3515_1.R1084	Score	3198
Exons	25464..25621, 25706..25849, 25922..26128, 26243..26306, 26866..27005, 27103..27414, 27820..28499		
GI Descrip.	'3757521 5.0e-84 (AC005167) unknown protein [Arabidopsis thaliana]'		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43091	Strand	+
Start	30321	End	32547

Name	OJ991107_40.0120.C8.o8.gs	Method	GENSCAN
Start	30321	End	32547
GI	none	Score	.71
Exons	30321..30340, 30460..30577, 31894..32028, 32114..32547		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o3.tm	Method	TBLASTX:Maize
Start	1938	End	2635
GI	none	Score	82
Exons	1938..2051, 1989..2078, 2106..2162, 2170..2265, 2183..2263, 2257..2358, 2258..2386, 2381..2410, 2423..2635, 2440..2634		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o5.ts	Method	TBLASTX:Soybean
Start	2270	End	2566
GI	none	Score	63
Exons	2270..2413, 2315..2566		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o1.tw	Method	TBLASTX:Wheat
Start	2278	End	2685
GI	none	Score	528
Exons	2278..2685, 2279..2683, 2614..2685		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o8.tm	Method	TBLASTX:Maize
Start	6933	End	7921
GI	none	Score	125
Exons	6933..7037, 6933..7046, 6959..7066, 7137..7292, 7160..7279, 7161..7292, 7162..7293, 7526..7579, 7527..7580, 7606..7719, 7606..7719, 7637..7723, 7696..7740, 7853..7921		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o1.ts	Method	TBLASTX:Soybean
Start	7185	End	8098
GI	none	Score	94
Exons	7185..7292, 7527..7580, 7547..7579, 7653..7754, 7653..7763, 7654..7758, 7856..8098, 7860..8066, 7861..8085		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o2.tm	Method	TBLASTX:Maize
Start	7964	End	8819
GI	none	Score	257
Exons	7964..8122, 7964..8146, 7966..8154, 8288..8503, 8299..8511, 8503..8553, 8539..8583, 8594..8815, 8650..8814, 8693..8815,		

8715..8819

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o2.tc	Method	TBLASTX:Cress
Start	8000	End	8806
GI	none	Score	132
Exons	8000..8119, 8002..8085, 8300..8335, 8348..8455, 8600..8806, 8650..8718		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o3.ts	Method	TBLASTX:Soybean
Start	8281	End	8806
GI	none	Score	107
Exons	8281..8391, 8288..8383, 8389..8490, 8390..8476, 8600..8806, 8650..8718, 8693..8797		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o6.tm	Method	TBLASTX:Maize
Start	9364	End	11991
GI	none	Score	41
Exons	9364..9405, 9452..9520, 9517..9618, 9622..9642, 9738..9887, 9739..9888, 9945..10040, 9962..10060, 9964..10071, 10668..10790, 10672..10812, 10686..10790, 11727..11804, 11729..11806, 11730..11804, 11735..11806, 11910..11969, 11911..11991, 11917..11991		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o4.tw	Method	TBLASTX:Wheat
Start	9798	End	10790
GI	none	Score	142
Exons	9798..9995, 9799..9888, 9962..10057, 9967..10071, 10678..10749, 10686..10790, 10686..10790		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o4.ts	Method	TBLASTX:Soybean
Start	24018	End	24284
GI	none	Score	185
Exons	24018..24155, 24023..24127, 24165..24284, 24170..24283		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o4.tm	Method	TBLASTX:Maize
Start	24046	End	24416
GI	none	Score	522
Exons	24046..24414, 24047..24415, 24048..24416		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o7.tm	Method	TBLASTX:Maize
Start	24417	End	24647
GI	none	Score	284
Exons	24417..24647, 24417..24647		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o5.tm	Method	TBLASTX:Maize
Start	24766	End	25010
GI	none	Score	340
Exons	24766..25002, 24770..25009, 24771..25010		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o1.tm	Method	TBLASTX:Maize
Start	25026	End	32693
GI	none	Score	187
Exons	25026..25232, 25026..25205, 25106..25210, 25208..25303, 25209..25301, 25222..25302, 25487..25567, 25524..25622, 25529..25612, 25530..25625, 25718..25828, 25719..25850, 25721..25828, 25725..25847, 25921..26133, 25922..26131, 26242..26304, 26243..26305, 26838..27005, 26865..27005, 27097..27414, 27103..27414, 27817..28044, 27819..28046, 27819..28046, 27820..28047, 32480..32527, 32622..32693		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o5.tw	Method	TBLASTX:Wheat
Start	25139	End	25865
GI	none	Score	244
Exons	25139..25318, 25140..25319, 25145..25321, 25483..25566, 25487..25573, 25495..25590, 25579..25620, 25703..25765, 25708..25755, 25753..25839, 25756..25839, 25758..25865, 25760..25864		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o2.ts	Method	TBLASTX:Soybean
Start	26045	End	28217
GI	none	Score	56
Exons	26045..26128, 26249..26305, 26826..27005, 26864..26944, 26880..27005, 27096..27452, 27097..27414, 27102..27416, 27823..27966, 27919..28038, 28101..28217		

Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o1.tc	Method	TBLASTX:Cress
Start	26069	End	32699
GI	none	Score	65

Exons	26069..26107, 26235..26300, 26243..26305, 26826..27008, 26874..27002, 26887..27003, 27089..27337, 27097..27339, 27109..27339, 32477..32533, 32628..32699		
Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o2.tw	Method	TBLASTX:Wheat
Start	26889	End	27411
GI	none	Score	99
Exons	26889..27005, 26889..26987, 27084..27410, 27097..27411		
Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o3.tw	Method	TBLASTX:Wheat
Start	27819	End	28072
GI	none	Score	315
Exons	27819..28049, 27820..28056, 27833..28072		
Seq. No.	20676	Seq. ID	OJ991107_40.0120.C8
Gene No.	43092	Strand	-
Start	28741	End	32699
Name	OJ991107_40.0120.C8.o7.gs	Method	GENSCAN
Start	28741	End	29414
GI	none	Score	.78
Exons	28741..28929, 29355..29414		
Seq. No.	20677	Seq. ID	OJ991107_40.0120.C9
Gene No.	43093	Strand	+
Start	1	End	1233
Name	OJ991107_40.0120.C9.o1.gp	Method	AAT/GAP
Start	1	End	351
GI	12048_1.R1084	Score	574
Exons	1..351		
GI Descrip.	'3757521 3.0e-38 (AC005167) unknown protein [Arabidopsis thaliana]'		
Seq. No.	20677	Seq. ID	OJ991107_40.0120.C9
Gene No.	43093	Strand	+
Start	1	End	1233
Name	OJ991107_40.0120.C9.o1.np	Method	AAT/NAP
Start	1	End	1233
GI	6862963	Score	423
Exons	1..327, 913..1233		
GI Descrip.	(AC019018) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		
Seq. No.	20677	Seq. ID	OJ991107_40.0120.C9
Gene No.	43093	Strand	+
Start	1	End	1233
Name	OJ991107_40.0120.C9.o1.ts	Method	TBLASTX:Soybean
Start	11	End	1029
GI	none	Score	126
Exons	11..145, 12..326, 18..326, 19..327, 44..328, 910..1029, 915..1010		

Seq. No.	20677	Seq. ID	OJ991107_40.0120.C9
Gene No.	43093	Strand	+
Start	1	End	1233
Name	OJ991107_40.0120.C9.o2.tw	Method	TBLASTX:Wheat
Start	12	End	324
GI	none	Score	89
Exons	12..233, 17..256, 25..324, 30..323		

Seq. No.	20677	Seq. ID	OJ991107_40.0120.C9
Gene No.	43093	Strand	+
Start	1	End	1233
Name	OJ991107_40.0120.C9.o1.tm	Method	TBLASTX:Maize
Start	14	End	1026
GI	none	Score	465
Exons	14..325, 16..327, 18..326, 910..1026, 915..1010		

Seq. No.	20677	Seq. ID	OJ991107_40.0120.C9
Gene No.	43093	Strand	+
Start	1	End	1233
Name	OJ991107_40.0120.C9.o1.tc	Method	TBLASTX:Cress
Start	16	End	252
GI	none	Score	220
Exons	16..252, 30..248		

Seq. No.	20677	Seq. ID	OJ991107_40.0120.C9
Gene No.	43093	Strand	+
Start	1	End	1233
Name	OJ991107_40.0120.C9.o1.tw	Method	TBLASTX:Wheat
Start	937	End	1145
GI	none	Score	307
Exons	937..1134, 937..1143, 1026..1145		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43094	Strand	+
Start	1	End	7593
Name	OJ991107_40.0120.C10.o1.np	Method	AAT/NAP
Start	1	End	2355
GI	4455278	Score	898
Exons	1..2355		
GI Descrip.	(AL035527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43094	Strand	+
Start	1	End	7593
Name	OJ991107_40.0120.C10.o1.gs	Method	GENSCAN
Start	138	End	7593
GI	none	Score	.73
Exons	138..1781, 4403..4477, 4590..4919, 5032..5592, 6280..6463, 6604..6773, 6880..7593		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43094	Strand	+
Start	1	End	7593
Name	OJ991107_40.0120.C10.o1.gp	Method	AAT/GAP
Start	537	End	1001
GI	none	Score	874
Exons	537..1001		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43094	Strand	+
Start	1	End	7593
Name	OJ991107_40.0120.C10.o2.np	Method	AAT/NAP
Start	4647	End	7590
GI	6560762	Score	1325
Exons	4647..4919, 5032..5270, 5388..5641, 6252..6463, 6604..6773, 6880..7590		
GI Descrip.	(AC010155) F3M18.18 [Arabidopsis thaliana]		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43094	Strand	+
Start	1	End	7593
Name	OJ991107_40.0120.C10.o3.gp	Method	AAT/GAP
Start	6066	End	6484
GI	702107	Score	756
Exons	6066..6484		
GI Descrip.	5051771/emb|CAB45064.1| 5.0e-13 (AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43095	Strand	+
Start	7576	End	7879
Name	OJ991107_40.0120.C10.o4.gp	Method	AAT/GAP
Start	7576	End	7879
GI	none	Score	574
Exons	7576..7879		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43096	Strand	-
Start	2071	End	2590
Name	OJ991107_40.0120.C10.o2.gp	Method	AAT/GAP
Start	2071	End	2590
GI	41954_1.R1084	Score	1016
Exons	2071..2590		
GI Descrip.	'5051771/emb|CAB45064.1| 5.0e-13 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o4.tm	Method	TBLASTX:Maize
Start	583	End	842
GI	none	Score	402
Exons	583..831, 584..841, 585..842		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o1.tm	Method	TBLASTX:Maize
Start	843	End	1253
GI	none	Score	365
Exons	843..1100, 851..1093, 965..1111, 967..1110, 1086..1253, 1115..1252, 1122..1253		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10

Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o2.ts	Method	TBLASTX:Soybean
Start	1587	End	1883
GI	none	Score	75
Exons	1587..1634, 1592..1630, 1638..1883, 1638..1754, 1648..1812, 1682..1870		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o2.tm	Method	TBLASTX:Maize
Start	1617	End	1991
GI	none	Score	495
Exons	1617..1991, 1619..1990, 1620..1991		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o3.tm	Method	TBLASTX:Maize
Start	2016	End	2334
GI	none	Score	417
Exons	2016..2333, 2017..2313, 2021..2329, 2025..2330, 2032..2334		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o3.ts	Method	TBLASTX:Soybean
Start	2058	End	2324
GI	none	Score	201
Exons	2058..2324, 2058..2261		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o1.ts	Method	TBLASTX:Soybean
Start	4868	End	7656
GI	none	Score	59
Exons	4868..4912, 4869..4925, 5028..5171, 5029..5277, 5352..5498, 5371..5526, 6331..6468, 6363..6458, 6605..6688, 6606..6716, 6701..6775, 6702..6782, 6882..6986, 6883..7098, 7120..7215, 7356..7556, 7357..7563, 7606..7656		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o1.tw	Method	TBLASTX:Wheat
Start	4872	End	5457
GI	none	Score	52
Exons	4872..4925, 5026..5106, 5031..5105, 5107..5139, 5113..5277, 5206..5265, 5352..5450, 5371..5457, 5386..5454		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o5.tm	Method	TBLASTX:Maize
Start	5029	End	5496

GI	none	Score	186
Exons	5029..5283, 5389..5496		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o2.tc	Method	TBLASTX:Cress
Start	5067	End	5544
GI	none	Score	75
Exons	5067..5168, 5068..5157, 5101..5277, 5367..5498, 5371..5544		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o3.tc	Method	TBLASTX:Cress
Start	6274	End	6776
GI	none	Score	182
Exons	6274..6435, 6342..6434, 6418..6459, 6605..6712, 6606..6701, 6702..6776, 6707..6775		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o2.tw	Method	TBLASTX:Wheat
Start	6346	End	6776
GI	none	Score	160
Exons	6346..6468, 6348..6467, 6603..6701, 6604..6711, 6605..6712, 6606..6728, 6700..6774, 6701..6775, 6702..6776, 6704..6775		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o7.tm	Method	TBLASTX:Maize
Start	6609	End	6990
GI	none	Score	95
Exons	6609..6707, 6635..6688, 6702..6779, 6877..6990, 6897..6989		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o1.tc	Method	TBLASTX:Cress
Start	6888	End	7560
GI	none	Score	153
Exons	6888..6980, 6889..7101, 7120..7230, 7345..7404, 7395..7556, 7396..7560		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o6.tm	Method	TBLASTX:Maize
Start	7171	End	7463
GI	none	Score	112
Exons	7171..7272, 7173..7304, 7365..7463, 7366..7461, 7389..7463		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017

Name	OJ991107_40.0120.C10.o2.gs	Method	GENSCAN
Start	9551	End	19012
GI	none	Score	.53
Exons	9551..9562, 10928..11072, 11120..11198, 11956..12168, 12649..12817, 14782..14879, 15223..15337, 15573..15620, 15726..15863, 15957..16024, 16192..16278, 16730..16827, 16906..16979, 17612..17773, 17878..17949, 18041..18107, 18949..19012		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o5.gp	Method	AAT/GAP
Start	13156	End	13255
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	13156..13255		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o6.gp	Method	AAT/GAP
Start	14383	End	15755
GI	none	Score	1027
Exons	14383..14692, 14782..14879, 15223..15337, 15573..15620, 15726..15755		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o3.tw	Method	TBLASTX:Wheat
Start	16774	End	17781
GI	none	Score	71
Exons	16774..16830, 16774..16827, 16776..16829, 16906..16980, 16906..16974, 16908..16991, 17609..17743, 17612..17773, 17613..17774, 17614..17781		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o8.tm	Method	TBLASTX:Maize
Start	17666	End	18249
GI	none	Score	79
Exons	17666..17773, 17666..17743, 17688..17774, 17706..17780, 17874..17945, 17874..17948, 17878..17949, 17890..17946, 18029..18109, 18040..18126, 18044..18106, 18220..18249, 18221..18247		

Seq. No.	20678	Seq. ID	OJ991107_40.0120.C10
Gene No.	43097	Strand	-
Start	9551	End	19017
Name	OJ991107_40.0120.C10.o7.gp	Method	AAT/GAP
Start	18072	End	19017
GI	none	Score	636
Exons	18072..18107, 18212..18312, 18413..18475, 18670..18778,		

18949..19017

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43098	Strand	+
Start	68	End	387
Name	OJ991107_40.0120.C11.o1.gs	Method	GENSCAN
Start	68	End	387
GI	none	Score	.74
Exons	68..387		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43099	Strand	+
Start	1602	End	4019
Name	OJ991107_40.0120.C11.o2.gs	Method	GENSCAN
Start	1602	End	4019
GI	none	Score	.55
Exons	1602..1678, 3250..3353, 3955..4019		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43100	Strand	+
Start	6941	End	7403
Name	OJ991107_40.0120.C11.o1.gp	Method	AAT/GAP
Start	6941	End	7403
GI	none	Score	889
Exons	6941..7403		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43101	Strand	+
Start	7478	End	10262
Name	OJ991107_40.0120.C11.o4.gs	Method	GENSCAN
Start	7478	End	10262
GI	none	Score	.83
Exons	7478..7812, 8278..8463, 9402..9654, 9687..10262		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43101	Strand	+
Start	7478	End	10262
Name	OJ991107_40.0120.C11.o2.gp	Method	AAT/GAP
Start	7660	End	9630
GI	uC-osrocyp003g05a1	Score	740
Exons	7660..7812, 9402..9630		
GI Descrip.	'3548810 3.0e-09 (AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]'		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43101	Strand	+
Start	7478	End	10262
Name	OJ991107_40.0120.C11.o3.gp	Method	AAT/GAP
Start	9639	End	10101
GI	none	Score	852
Exons	9639..10101		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43102	Strand	+
Start	21058	End	21617
Name	OJ991107_40.0120.C11.o4.np	Method	AAT/NAP
Start	21040	End	21617

GI	4926830	Score	345
Exons	21040..21617		
GI Descrip.	(AC004135) T17H7.15 [Arabidopsis thaliana]		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43102	Strand	+
Start	21058	End	21617
Name	OJ991107_40.0120.C11.o7.gs	Method	GENSCAN
Start	21058	End	21559
GI	none	Score	.55
Exons	21058..21559		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43103	Strand	-
Start	4777	End	7383
Name	OJ991107_40.0120.C11.o3.gs	Method	GENSCAN
Start	4777	End	7383
GI	none	Score	.87
Exons	4777..5252, 5501..5542, 6825..7383		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43104	Strand	-
Start	10856	End	17129
Name	OJ991107_40.0120.C11.o4.gp	Method	AAT/GAP
Start	10623	End	12702
GI	721_1.R1084	Score	1054
Exons	10623..10919, 10991..11073, 11573..11661, 11760..11799, 12628..12702		
GI Descrip.	'4090257/emb|CAA10493.1| 2.0e-46 (AJ131732) ribosomal protein L37A [Pseudotsuga menziesii]'		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43104	Strand	-
Start	10856	End	17129
Name	OJ991107_40.0120.C11.o5.gs	Method	GENSCAN
Start	10856	End	17065
GI	none	Score	.53
Exons	10856..10919, 10991..11073, 11573..11661, 11760..11822, 12380..12504, 12628..12698, 12771..12884, 16507..16605, 16672..16900, 17001..17065		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43104	Strand	-
Start	10856	End	17129
Name	OJ991107_40.0120.C11.o2.np	Method	AAT/NAP
Start	10859	End	11802
GI	6831602	Score	369
Exons	10859..10919, 10991..11073, 11573..11661, 11760..11802		
GI Descrip.	60S RIBOSOMAL PROTEIN L37A gi|4741896|gb|AAD28753.1|AF127042_1 (AF127042) 60S ribosomal protein L37a [Gossypium hirsutum]		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43104	Strand	-
Start	10856	End	17129
Name	OJ991107_40.0120.C11.o5.gp	Method	AAT/GAP
Start	15161	End	17129
GI	1088_2.R1084	Score	1323

Exons	15161..15467, 16507..16559, 16672..16900, 17001..17129
GI Descrip.	'1350742/sp|P49180|R35A_CAEEL 5.0e-28 PROBABLE 60S RIBOSOMAL PROTEIN L35A >gi_1086831 (U41264) coded for by C. elegans cDNA yk64g10.5; coded for by C. elegans cDNA yk51f3.5; coded for by C. elegans cDNA yk115e7.3; coded for by C. elegans cDNA yk99d1.3; coded for by C. elegans cDNA yk99d1.5; coded for by C. elegans cDNA yk64g1'

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43104	Strand	-
Start	10856	End	17129
Name	OJ991107_40.0120.C11.o3.np	Method	AAT/NAP
Start	16521	End	17068
GI	6939227	Score	439
Exons	16521..16559, 16672..16900, 17001..17068		
GI Descrip.	(AC020579) putative ribosomal protein [Arabidopsis thaliana]		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o3.tm	Method	TBLASTX:Maize
Start	9421	End	9699
GI	none	Score	58
Exons	9421..9507, 9423..9461, 9499..9699, 9501..9698		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o1.tm	Method	TBLASTX:Maize
Start	9780	End	10286
GI	none	Score	59
Exons	9780..9851, 9781..9852, 9833..9874, 9860..10033, 9864..10037, 10028..10261, 10041..10286		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o2.tw	Method	TBLASTX:Wheat
Start	10732	End	11834
GI	none	Score	74
Exons	10732..10773, 10830..10889, 10836..10922, 10837..10920, 10989..11063, 10991..11074, 10993..11076, 11541..11663, 11558..11662, 11757..11834, 11758..11799, 11759..11800		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o4.tm	Method	TBLASTX:Maize
Start	10772	End	11807
GI	none	Score	76
Exons	10772..10801, 10822..10917, 10826..10918, 10827..10922, 10989..11063, 10991..11074, 10993..11076, 11541..11663, 11541..11660, 11558..11662, 11757..11807, 11758..11799, 11759..11800		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-

Start	19736	End	20299
Name	OJ991107_40.0120.C11.o2.tc	Method	TBLASTX:Cress
Start	10857	End	11797
GI	none	Score	60
Exons	10857..10922, 10867..10920, 10991..11068, 10993..11076, 11573..11662, 11574..11663, 11756..11797, 11758..11796		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o2.ts	Method	TBLASTX:Soybean
Start	10866	End	11800
GI	none	Score	107
Exons	10866..10922, 10991..11071, 10993..11076, 11558..11662, 11577..11663, 11756..11800, 11758..11799		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o1.tc	Method	TBLASTX:Cress
Start	16506	End	17065
GI	none	Score	55
Exons	16506..16559, 16522..16560, 16672..16905, 16673..16903, 16772..16909, 16998..17063, 17000..17065, 17001..17060		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o1.tw	Method	TBLASTX:Wheat
Start	16515	End	17065
GI	none	Score	64
Exons	16515..16559, 16516..16560, 16516..16566, 16667..16900, 16672..16905, 16998..17063, 16999..17064, 17000..17065		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o1.ts	Method	TBLASTX:Soybean
Start	16518	End	17065
GI	none	Score	235
Exons	16518..16559, 16664..16903, 16672..16905, 17000..17065, 17001..17063		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o2.tm	Method	TBLASTX:Maize
Start	16518	End	17065
GI	none	Score	45
Exons	16518..16559, 16519..16560, 16672..16905, 16673..16903, 16772..16909, 16994..17065, 16998..17063, 17000..17065		

Seq. No.	20679	Seq. ID	OJ991107_40.0120.C11
Gene No.	43105	Strand	-
Start	19736	End	20299
Name	OJ991107_40.0120.C11.o6.gs	Method	GENSCAN
Start	19736	End	20299

GI	none	Score	.54
Exons	19736..19874, 20235..20299		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43106	Strand	+
Start	42	End	1849
Name	OJ991107_40.0120.C12.o1.gs	Method	GENSCAN
Start	42	End	1849
GI	none	Score	.79
Exons	42..500, 1177..1300, 1800..1849		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43107	Strand	+
Start	10914	End	11334
Name	OJ991107_40.0120.C12.o4.gp	Method	AAT/GAP
Start	10914	End	11334
GI	428287	Score	842
Exons	10914..11334		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o1.gp	Method	AAT/GAP
Start	2526	End	2745
GI	3106928	Score	389
Exons	2526..2745		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o2.ts	Method	TBLASTX:Soybean
Start	2643	End	3128
GI	none	Score	88
Exons	2643..2795, 2649..2795, 2650..2796, 2873..3127, 2874..3128		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o1.tm	Method	TBLASTX:Maize
Start	2645	End	6138
GI	none	Score	112
Exons	2645..2794, 2647..2796, 2649..2795, 2873..3193, 2874..3194, 2876..3196, 3284..3781, 3286..3768, 3299..3769, 3640..3783, 4000..4107, 4005..4085, 4007..4108, 4257..4373, 4289..4372, 4293..4373, 4294..4377, 4602..4679, 5036..5167, 5036..5167, 5346..5462, 5353..5463, 5353..5466, 5601..5669, 5603..5668, 6076..6138, 6081..6128		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o1.np	Method	AAT/NAP
Start	2646	End	6159
GI	5453603	Score	1557
Exons	2646..2795, 2876..3191, 3284..3769, 4007..4083, 4256..4371, 4601..4672, 5038..5166, 5351..5462, 5603..5668, 6082..6159		
GI Descrip.	chaperonin containing TCP1, subunit 2 (beta)		

gi|6094436|sp|P78371|TCPB_HUMAN T-COMPLEX PROTEIN 1, BETA SUBUNIT (TCP-1-BETA) (CCT-BETA) gi|2559012 (AF026293) chaperonin containing t-complex polypeptide 1, beta subunit; CCT-beta [Homo sapiens] gi|4090929 (AF026166) chaperonin-containing TCP-1 beta subunit homolog [Homo sapiens]

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o1.tc	Method	TBLASTX:Cress
Start	2649	End	3532
GI	none	Score	89
Exons	2649..2792, 2649..2795, 2650..2817, 2870..2980, 2873..3193, 2874..3185, 3001..3186, 3011..3193, 3280..3531, 3284..3532		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o2.gs	Method	GENSCAN
Start	2649	End	13786
GI	none	Score	.71
Exons	2649..2795, 2876..3191, 3284..3769, 4007..4083, 4256..4371, 5038..5166, 5351..5462, 5603..5668, 6082..6138, 8884..9062, 9640..9737, 11259..11409, 11485..11509, 12090..12227, 12335..12746, 13461..13473, 13756..13786		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o1.tw	Method	TBLASTX:Wheat
Start	2873	End	3384
GI	none	Score	339
Exons	2873..3193, 2874..3194, 3280..3384, 3286..3381		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o1.ts	Method	TBLASTX:Soybean
Start	3280	End	6147
GI	none	Score	591
Exons	3280..3768, 3281..3781, 4000..4107, 4007..4108, 4260..4373, 4289..4375, 4594..4680, 4602..4679, 5034..5165, 5036..5167, 5048..5167, 5346..5462, 5353..5463, 5601..5669, 5603..5668, 6076..6147		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o2.gp	Method	AAT/GAP
Start	3317	End	4075
GI	27376_1.R1084	Score	1002
Exons	3317..3769, 4007..4075		
GI Descrip.	'3046695/emb|CAA18257.1| 4.0e-09 (AL022224) putative protein [Arabidopsis thaliana]'		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-

Start	2649	End	13799
Name	OJ991107_40.0120.C12.o2.tc	Method	TBLASTX:Cress
Start	3533	End	6138
GI	none	Score	154
Exons	3533..3655, 3533..3643, 3535..3654, 3654..3698, 3655..3768, 3656..3781, 4000..4107, 4005..4085, 4006..4107, 4007..4108, 4260..4382, 4289..4375, 4594..4674, 4595..4663, 4602..4679, 4609..4674, 5036..5167, 5036..5167, 5037..5168, 5346..5462, 5353..5463, 5601..5669, 5602..5667, 5603..5668, 6076..6138		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o3.gp	Method	AAT/GAP
Start	5144	End	6791
GI	3768427	Score	518
Exons	5144..5166, 5351..5462, 5603..5668, 6082..6138, 6742..6791		
GI Descrip.	1871210 5.0e-19 (U91327) T-complex protein 1, Beta subunit (TCP-1-BETA) [Homo sapiens]		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o2.tm	Method	TBLASTX:Maize
Start	11333	End	12469
GI	none	Score	69
Exons	11333..11389, 11334..11390, 11334..11390, 11354..11404, 12150..12218, 12151..12228, 12348..12461, 12361..12399, 12389..12469		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o2.np	Method	AAT/NAP
Start	11356	End	13799
GI	3046695	Score	230
Exons	11356..11409, 12150..12227, 12335..12571, 13732..13799		
GI Descrip.	(AL022224) putative protein [Arabidopsis thaliana]		

Seq. No.	20680	Seq. ID	OJ991107_40.0120.C12
Gene No.	43108	Strand	-
Start	2649	End	13799
Name	OJ991107_40.0120.C12.o5.gp	Method	AAT/GAP
Start	12163	End	12595
GI	2431197	Score	534
Exons	12163..12227, 12335..12595		
GI Descrip.	3046695/emb|CAA18257.1| 4.0e-09 (AL022224) putative protein [Arabidopsis thaliana]		

Seq. No.	20681	Seq. ID	OJ991107_40.0120.C13
Gene No.	43109	Strand	-
Start	1778	End	9941
Name	OJ991107_40.0120.C13.o1.np	Method	AAT/NAP
Start	1778	End	9881
GI	6850866	Score	758
Exons	1778..1856, 7200..7409, 7529..7769, 8759..9223, 9663..9881		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	20681	Seq. ID	OJ991107_40.0120.C13
Gene No.	43109	Strand	-
Start	1778	End	9941
Name	OJ991107_40.0120.C13.o1.tm	Method	TBLASTX:Maize
Start	7080	End	9073
GI	none	Score	142
Exons	7080..7103, 7164..7328, 7170..7427, 7171..7404, 7568..7828, 7569..7829, 8817..8996, 8819..9004, 8993..9073		

Seq. No.	20681	Seq. ID	OJ991107_40.0120.C13
Gene No.	43109	Strand	-
Start	1778	End	9941
Name	OJ991107_40.0120.C13.o3.gs	Method	GENSCAN
Start	7149	End	9821
GI	none	Score	.59
Exons	7149..7409, 7529..7835, 8486..8582, 8821..9223, 9663..9821		

Seq. No.	20681	Seq. ID	OJ991107_40.0120.C13
Gene No.	43109	Strand	-
Start	1778	End	9941
Name	OJ991107_40.0120.C13.o2.ts	Method	TBLASTX:Soybean
Start	7173	End	8869
GI	none	Score	147
Exons	7173..7418, 7252..7419, 7568..7780, 7650..7745, 8816..8869		

Seq. No.	20681	Seq. ID	OJ991107_40.0120.C13
Gene No.	43109	Strand	-
Start	1778	End	9941
Name	OJ991107_40.0120.C13.o1.gp	Method	AAT/GAP
Start	7749	End	9157
GI	none	Score	600
Exons	7749..7815, 8821..9157		

Seq. No.	20681	Seq. ID	OJ991107_40.0120.C13
Gene No.	43109	Strand	-
Start	1778	End	9941
Name	OJ991107_40.0120.C13.o1.ts	Method	TBLASTX:Soybean
Start	8876	End	9193
GI	none	Score	130
Exons	8876..8983, 9002..9193, 9066..9185		

Seq. No.	20681	Seq. ID	OJ991107_40.0120.C13
Gene No.	43109	Strand	-
Start	1778	End	9941
Name	OJ991107_40.0120.C13.o2.tm	Method	TBLASTX:Maize
Start	9074	End	9752
GI	none	Score	71
Exons	9074..9148, 9074..9226, 9078..9185, 9663..9752, 9664..9750		

Seq. No.	20681	Seq. ID	OJ991107_40.0120.C13
Gene No.	43109	Strand	-
Start	1778	End	9941
Name	OJ991107_40.0120.C13.o2.gp	Method	AAT/GAP
Start	9148	End	9941
GI	none	Score	670
Exons	9148..9223, 9663..9941		

Seq. No.	20682	Seq. ID	OJ991107_40.0120.C14
Gene No.	43110	Strand	-
Start	1	End	7324
Name	OJ991107_40.0120.C14.o2.np	Method	AAT/NAP
Start	1	End	7324
GI	1109849	Score	119
Exons	1..29, 4572..4980, 7252..7324		
GI Descrip.	(U41538) proline rich [Caenorhabditis elegans]		

Seq. No.	20682	Seq. ID	OJ991107_40.0120.C14
Gene No.	43110	Strand	-
Start	1	End	7324
Name	OJ991107_40.0120.C14.o1.tm	Method	TBLASTX:Maize
Start	811	End	1699
GI	none	Score	125
Exons	811..999, 813..974, 829..987, 929..988, 1303..1437, 1304..1438, 1590..1691, 1601..1699, 1605..1694		

Seq. No.	20682	Seq. ID	OJ991107_40.0120.C14
Gene No.	43110	Strand	-
Start	1	End	7324
Name	OJ991107_40.0120.C14.o1.tc	Method	TBLASTX:Cress
Start	816	End	1819
GI	none	Score	100
Exons	816..989, 823..990, 841..990, 1291..1449, 1298..1438, 1300..1449, 1589..1795, 1599..1790, 1600..1791, 1781..1819		

Seq. No.	20682	Seq. ID	OJ991107_40.0120.C14
Gene No.	43110	Strand	-
Start	1	End	7324
Name	OJ991107_40.0120.C14.o1.np	Method	AAT/NAP
Start	823	End	4597
GI	6723391	Score	917
Exons	823..984, 1303..1440, 1601..1816, 1947..2048, 2114..2200, 2311..2938, 4373..4597		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	20682	Seq. ID	OJ991107_40.0120.C14
Gene No.	43110	Strand	-
Start	1	End	7324
Name	OJ991107_40.0120.C14.o1.gs	Method	GENSCAN
Start	835	End	5257
GI	none	Score	.95
Exons	835..984, 1303..1440, 1601..1816, 1947..2038, 2134..2200, 2311..2922, 4367..4969, 5204..5257		

Seq. No.	20682	Seq. ID	OJ991107_40.0120.C14
Gene No.	43110	Strand	-
Start	1	End	7324
Name	OJ991107_40.0120.C14.o1.ts	Method	TBLASTX:Soybean
Start	1294	End	2364
GI	none	Score	100
Exons	1294..1437, 1307..1444, 1598..1774, 1599..1775, 2141..2200, 2314..2364		

Seq. No.	20682	Seq. ID	OJ991107_40.0120.C14

Gene No.	43110	Strand	-
Start	1	End	7324
Name	OJ991107_40.0120.C14.o2.tc	Method	TBLASTX:Cress
Start	2657	End	3033
GI	none	Score	63
Exons	2657..2818, 2674..2814, 2830..2949, 2959..3033		

Seq. No.	20682	Seq. ID	OJ991107_40.0120.C14
Gene No.	43110	Strand	-
Start	1	End	7324
Name	OJ991107_40.0120.C14.o2.gs	Method	GENSCAN
Start	6946	End	7259
GI	none	Score	.9
Exons	6946..7259		

Seq. No.	20683	Seq. ID	OJ991107_40.0120.C15
Gene No.	43111	Strand	-
Start	1817	End	2425
Name	OJ991107_40.0120.C15.o2.gs	Method	GENSCAN
Start	1817	End	2425
GI	none	Score	.56
Exons	1817..1874, 2337..2425		

Seq. No.	20684	Seq. ID	OJ991107_40.0120.C16
Gene No.	43112	Strand	+
Start	1	End	851
Name	OJ991107_40.0120.C16.o1.np	Method	AAT/NAP
Start	1	End	851
GI	6006359	Score	78
Exons	1..176, 810..851		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43113	Strand	+
Start	121	End	5598
Name	OJ991107_40.0120.C17.o1.gp	Method	AAT/GAP
Start	121	End	4627
GI	9146_1.R1084	Score	2907
Exons	121..369, 729..792, 882..986, 1215..1316, 1575..1625, 1724..1785, 2070..2160, 2240..2304, 2527..2721, 2807..2926, 3092..3162, 3756..3981, 4111..4161, 4466..4627		
GI Descrip.	'2129826/pir||S63668 0.0e+00 dynamin-like protein phragmoplastin 5 - soybean >gi_1218004 (U36430) SDL5A [Glycine max]'		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43113	Strand	+
Start	121	End	5598
Name	OJ991107_40.0120.C17.o1.gs	Method	GENSCAN
Start	201	End	5336
GI	none	Score	.92
Exons	201..461, 729..792, 1215..1316, 1724..1785, 2070..2160, 2240..2304, 2527..2721, 2807..2926, 3092..3162, 3756..3981, 4111..4161, 4466..4694, 4932..5071, 5208..5336		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43113	Strand	+
Start	121	End	5598

Name	OJ991107_40.0120.C17.o1.np	Method	AAT/NAP
Start	241	End	5333
GI	5931765	Score	2267
Exons	241..369, 729..792, 882..986, 1215..1316, 1575..1625, 1724..1785, 2070..2160, 2240..2304, 2527..2721, 2807..2926, 3092..3162, 3756..3981, 4111..4161, 4466..4694, 4932..5071, 5208..5333		
GI Descrip.	(AJ244024) phragmoplastin [Nicotiana tabacum]		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43113	Strand	+
Start	121	End	5598
Name	OJ991107_40.0120.C17.o2.gp	Method	AAT/GAP
Start	4913	End	5598
GI	2280_1.R1084	Score	1021
Exons	4913..5071, 5208..5598		
GI Descrip.	'2129825/pir||S63667 1.0e-37 dynamin-like protein phragmoplastin 12 - soybean >gi_1217994 (U25547) SDL [Glycine max]'		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43114	Strand	+
Start	12509	End	12829
Name	OJ991107_40.0120.C17.o3.gs	Method	GENSCAN
Start	12509	End	12829
GI	none	Score	.46
Exons	12509..12829		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43115	Strand	+
Start	19859	End	19949
Name	OJ991107_40.0120.C17.o8.gp	Method	AAT/GAP
Start	19859	End	19949
GI	90742_1.R1084	Score	107
Exons	19859..19949		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43116	Strand	-
Start	6285	End	10311
Name	OJ991107_40.0120.C17.o2.gs	Method	GENSCAN
Start	6285	End	10311
GI	none	Score	.9
Exons	6285..6365, 6449..6494, 6822..6889, 7310..7410, 7667..7734, 8101..8209, 8405..8473, 8882..8943, 9219..9291, 9375..9427, 9625..9678, 9795..9892, 9943..10020, 10105..10311		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43116	Strand	-
Start	6285	End	10311
Name	OJ991107_40.0120.C17.o2.np	Method	AAT/NAP
Start	6288	End	10173
GI	4584545	Score	677
Exons	6288..6403, 6818..6889, 6953..7075, 7310..7410, 8405..8473, 8882..8943, 9219..9291, 9375..9427, 9625..9678, 9795..9844, 9943..10020, 10105..10173		
GI Descrip.	(AL049608) putative protein [Arabidopsis thaliana]		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43116	Strand	-
Start	6285	End	10311
Name	OJ991107_40.0120.C17.o3.gp	Method	AAT/GAP
Start	9974	End	10282
GI	702518	Score	392
Exons	9974..10020, 10105..10282		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43116	Strand	-
Start	6285	End	10311
Name	OJ991107_40.0120.C17.o4.gp	Method	AAT/GAP
Start	9975	End	10282
GI	702518	Score	390
Exons	9975..10020, 10105..10282		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43117	Strand	-
Start	11157	End	13013
Name	OJ991107_40.0120.C17.o5.gp	Method	AAT/GAP
Start	11157	End	13013
GI	1088_2.R1084	Score	749
Exons	11157..11324, 12372..12424, 12545..12773, 12886..13013		
GI Descrip.	'1350742/sp|P49180|R35A_CAEEL 5.0e-28 PROBABLE 60S RIBOSOMAL PROTEIN L35A >gi_1086831 (U41264) coded for by C. elegans cDNA yk64g10.5; coded for by C. elegans cDNA yk51f3.5; coded for by C. elegans cDNA yk115e7.3; coded for by C. elegans cDNA yk99d1.3; coded for by C. elegans cDNA yk99d1.5; coded for by C. elegans cDNA yk64g1'		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43117	Strand	-
Start	11157	End	13013
Name	OJ991107_40.0120.C17.o3.np	Method	AAT/NAP
Start	12386	End	12953
GI	6939227	Score	439
Exons	12386..12424, 12545..12773, 12886..12953		
GI Descrip.	(AC020579) putative ribosomal protein [Arabidopsis thaliana]		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o5.tm	Method	TBLASTX:Maize
Start	138	End	985
GI	none	Score	210
Exons	138..185, 240..365, 241..369, 687..779, 709..780, 712..792, 728..811, 728..796, 880..984, 881..985		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o3.tc	Method	TBLASTX:Cress
Start	240	End	5335
GI	none	Score	210
Exons	240..365, 241..369, 728..796, 765..797, 880..927, 881..928, 925..984, 926..985, 1204..1329, 1214..1315, 1552..1623,		

1553..1624, 1722..1784, 1723..1785, 2015..2161, 2067..2162,
2235..2303, 2236..2307, 2520..2720, 2521..2721, 2526..2717,
2530..2721, 2806..2934, 2807..2935, 3091..3162, 3092..3163,
3744..3983, 3756..3956, 3757..3996, 4111..4158, 4393..4692,
4444..4695, 4451..4702, 4927..5070, 4931..5101, 4940..5074,
5193..5327, 5207..5335

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o3.ts	Method	TBLASTX:Soybean
Start	240	End	5335
GI	none	Score	213

Exons 240..368, 241..369, 725..796, 765..797, 880..936, 881..928,
925..984, 926..985, 1198..1329, 1220..1315, 1552..1623,
1553..1624, 1705..1770, 1722..1793, 1723..1785, 1879..1914,
2030..2161, 2067..2162, 2236..2307, 2238..2303, 2239..2307,
2498..2719, 2521..2721, 2524..2700, 2526..2720, 2795..2887,
2803..2934, 2807..2959, 3091..3162, 3092..3163, 3744..3983,
3753..3941, 3757..3996, 4111..4158, 4448..4642, 4451..4696,
4464..4697, 4465..4698, 4927..5052, 4927..5076, 4931..5101,
5193..5327, 5201..5335

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o2.tm	Method	TBLASTX:Maize
Start	1222	End	5595
GI	none	Score	126

Exons 1222..1314, 1229..1312, 1230..1319, 1564..1623, 1565..1624,
1574..1624, 1723..1785, 1724..1792, 1879..1914, 2067..2162,
2069..2161, 2237..2308, 2238..2303, 2239..2307, 2521..2721,
2526..2720, 2795..2923, 2796..2924, 2800..2931, 2803..2925,
2807..2959, 3090..3161, 3091..3162, 3092..3163, 3095..3163,
3744..3956, 3744..3983, 3757..3996, 4110..4163, 4111..4161,
4451..4702, 4453..4695, 4927..5070, 4931..5074, 4931..5101,
4932..5075, 5193..5327, 5201..5341, 5206..5343, 5215..5415,
5392..5439, 5394..5438, 5429..5485, 5436..5528, 5446..5484,
5477..5545, 5477..5533, 5479..5547, 5479..5547, 5566..5595

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o4.tm	Method	TBLASTX:Maize
Start	6280	End	8471
GI	none	Score	104

Exons 6280..6366, 6282..6368, 6446..6493, 6462..6491, 6792..6890,
6793..6891, 6797..6898, 6800..6898, 6822..6899, 6965..7078,
6978..7052, 6980..7078, 6984..7094, 7304..7411, 7308..7412,
7308..7412, 7309..7413, 7310..7414, 7493..7513, 7656..7739,
7657..7737, 8076..8210, 8101..8211, 8103..8210, 8390..8455,
8400..8468, 8400..8471, 8407..8469

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o1.tw	Method	TBLASTX:Wheat

Start	12368	End	12954
GI	none	Score	60
Exons	12368..12418, 12383..12424, 12384..12425, 12540..12773, 12545..12778, 12697..12774, 12883..12954, 12884..12943, 12895..12954		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o3.tm	Method	TBLASTX:Maize
Start	12374	End	12950
GI	none	Score	56
Exons	12374..12418, 12374..12424, 12545..12778, 12546..12776, 12883..12948, 12884..12931, 12885..12950, 12886..12948		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o2.tc	Method	TBLASTX:Cress
Start	12380	End	12951
GI	none	Score	53
Exons	12380..12424, 12381..12425, 12545..12778, 12546..12776, 12885..12950, 12886..12951		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o2.ts	Method	TBLASTX:Soybean
Start	12383	End	12954
GI	none	Score	235
Exons	12383..12424, 12537..12776, 12545..12778, 12885..12950, 12886..12954		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o4.gs	Method	GENSCAN
Start	15093	End	21999
GI	none	Score	.53
Exons	15093..15502, 17615..17855, 17974..18228, 18378..18663, 18794..19099, 19192..19466, 21787..21999		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o6.gp	Method	AAT/GAP
Start	15340	End	15601
GI	none	Score	504
Exons	15340..15601		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o1.tm	Method	TBLASTX:Maize
Start	17589	End	22012
GI	none	Score	148
Exons	17589..17642, 17624..17824, 17654..17848, 17658..17855,		

17661..17849, 17668..17859, 17671..17856, 17969..18229,
17973..18230, 17974..18231, 18064..18258, 18378..18647,
18378..18647, 18511..18648, 18517..18648, 18795..19046,
18802..19053, 18805..19098, 18806..19093, 18810..19100,
19150..19215, 19191..19469, 19192..19467, 19282..19470,
21751..22008, 21776..22012, 21785..22006, 21787..22008

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o4.np	Method	AAT/NAP
Start	17592	End	22005
GI	4008156	Score	2224
Exons	17592..17855, 17974..18228, 18378..18645, 18794..19099, 19192..19466, 21787..22005		
GI Descrip.	(AB008845) NADH dependent Glutamate Synthase [Oryza sativa]		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o1.tc	Method	TBLASTX:Cress
Start	17652	End	21874
GI	none	Score	88
Exons	17652..17849, 17652..17855, 17674..17856, 17977..18066, 17978..18067, 18071..18229, 18073..18231, 18350..18598, 18378..18647, 18378..18647, 18517..18648, 18795..18887, 18796..19050, 18805..19098, 18809..19099, 18950..19102, 19174..19452, 19190..19243, 19191..19454, 19298..19453, 21782..21859, 21787..21873, 21794..21874		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o4.ts	Method	TBLASTX:Soybean
Start	17661	End	19044
GI	none	Score	163
Exons	17661..17855, 17668..17856, 17969..18067, 17977..18066, 18071..18229, 18073..18231, 18378..18632, 18378..18647, 18517..18648, 18788..19042, 18805..19044, 18806..19042		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o7.gp	Method	AAT/GAP
Start	17750	End	18867
GI	22374_1.R1084	Score	1269
Exons	17750..17855, 17974..18228, 18378..18645, 18794..18867		
GI Descrip.	'4008156/dbj|BAA35120.1| 3.0e-64 (AB008845) NADH dependent Glutamate Synthase [Oryza sativa]'		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o2.tw	Method	TBLASTX:Wheat
Start	18489	End	18659
GI	none	Score	135
Exons	18489..18644, 18491..18640, 18516..18659, 18517..18657		

Seq. No.	20685	Seq. ID	OJ991107_40.0120.C17
Gene No.	43118	Strand	-
Start	15093	End	22066
Name	OJ991107_40.0120.C17.o1.ts	Method	TBLASTX:Soybean
Start	19045	End	22066
GI	none	Score	72
Exons	19045..19098, 19049..19099, 19191..19301, 19191..19454, 19192..19452, 19282..19497, 21759..21944, 21785..22066, 21785..21853, 21787..22005		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o1.np	Method	AAT/NAP
Start	1	End	7044
GI	4008156	Score	5485
Exons	1..1464, 1671..1832, 1957..2111, 3332..4198, 4675..5143, 5219..5283, 5383..5726, 5816..5995, 6246..6349, 6473..6582, 6942..7044		
GI Descrip.	(AB008845) NADH dependent Glutamate Synthase [Oryza sativa]		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o1.tm	Method	TBLASTX:Maize
Start	19	End	627
GI	none	Score	71
Exons	19..99, 23..85, 88..624, 88..627		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o1.gs	Method	GENSCAN
Start	79	End	6596
GI	none	Score	.8
Exons	79..1464, 1671..1832, 2550..2650, 3332..4186, 4675..4750, 4801..5143, 5219..5283, 5383..5726, 5816..5995, 6473..6596		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o1.tc	Method	TBLASTX:Cress
Start	121	End	6579
GI	none	Score	237
Exons	121..624, 221..502, 563..607, 925..1476, 938..1456, 1674..1832, 1675..1833, 1677..1835, 1697..1840, 1957..2046, 3330..3512, 3331..3513, 3702..3950, 3718..3951, 4008..4145, 4009..4164, 4676..4768, 4819..5148, 4919..5137, 5467..5724, 5474..5590, 5820..5888, 5859..6002, 6472..6579, 6473..6565		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o2.ts	Method	TBLASTX:Soybean
Start	121	End	5586
GI	none	Score	216

Exons	121..471, 221..472, 973..1476, 974..1459, 1671..1835, 1674..1832, 1757..1840, 1957..2046, 1961..2050, 3330..3512, 3331..3513, 3702..3944, 3715..3945, 4008..4145, 4009..4068, 4670..4768, 4819..5148, 4906..5031, 4928..5149, 5467..5532, 5548..5586		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o1.gp	Method	AAT/GAP
Start	277	End	708
GI	uC-osrocyp017g05b1	Score	856
Exons	277..708		
GI Descrip.	'4008156/dbj|BAA35120.1| 2.0e-71 (AB008845) NADH dependent Glutamate Synthase [Oryza sativa]'		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o1.ts	Method	TBLASTX:Soybean
Start	475	End	972
GI	none	Score	112
Exons	475..972, 477..626, 557..970		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o2.tm	Method	TBLASTX:Maize
Start	922	End	1718
GI	none	Score	48
Exons	922..1458, 925..1128, 938..1222, 1243..1425, 1274..1456, 1674..1718		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o1.tw	Method	TBLASTX:Wheat
Start	1258	End	1835
GI	none	Score	69
Exons	1258..1422, 1258..1476, 1268..1456, 1674..1832, 1675..1791, 1689..1835		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o3.tm	Method	TBLASTX:Maize
Start	1719	End	2010
GI	none	Score	134
Exons	1719..1835, 1719..1832, 1723..1854, 1956..2009, 1956..2009, 1957..2010		

Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o4.ts	Method	TBLASTX:Soybean
Start	3514	End	3698
GI	none	Score	163

Exons	3514..3693, 3516..3698, 3516..3692		
Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o2.tc	Method	TBLASTX:Cress
Start	3516	End	3696
GI	none	Score	121
Exons	3516..3692, 3522..3695, 3523..3696		
Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o4.tm	Method	TBLASTX:Maize
Start	3702	End	4056
GI	none	Score	95
Exons	3702..3950, 3715..3951, 4008..4055, 4009..4056		
Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o2.gp	Method	AAT/GAP
Start	5252	End	6008
GI	uC-osrocyp007e03b1	Score	1057
Exons	5252..5283, 5383..5726, 5816..6008		
GI Descrip.	'4008156/dbj|BAA35120.1| 1.0e-80 (AB008845) NADH dependent Glutamate Synthase [Oryza sativa]'		
Seq. No.	20686	Seq. ID	OJ991107_40.0120.C18
Gene No.	43119	Strand	-
Start	1	End	7044
Name	OJ991107_40.0120.C18.o3.ts	Method	TBLASTX:Soybean
Start	5536	End	5909
GI	none	Score	126
Exons	5536..5724, 5593..5730, 5648..5725, 5812..5907, 5817..5909		
Seq. No.	20687	Seq. ID	OJ991107_41.0128.C1
Gene No.	43120	Strand	+
Start	318	End	2824
Name	OJ991107_41.0128.C1.o1.gs	Method	GENSCAN
Start	318	End	2824
GI	none	Score	.46
Exons	318..390, 971..1031, 1437..1748, 1870..2006, 2680..2824		
Seq. No.	20687	Seq. ID	OJ991107_41.0128.C1
Gene No.	43121	Strand	-
Start	1	End	2385
Name	OJ991107_41.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	2385
GI	5042463	Score	97
Exons	1..119, 965..1160, 2335..2385		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	20687	Seq. ID	OJ991107_41.0128.C1
Gene No.	43121	Strand	-
Start	1	End	2385
Name	OJ991107_41.0128.C1.o2.np	Method	AAT/NAP

Start	1	End	1701
GI	5902448	Score	246
Exons	1..91, 1526..1701		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	20687	Seq. ID	OJ991107_41.0128.C1
Gene No.	43121	Strand	-
Start	1	End	2385
Name	OJ991107_41.0128.C1.o1.gp	Method	AAT/GAP
Start	59	End	590
GI	4879016	Score	786
Exons	59..590		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	20688	Seq. ID	OJ991107_41.0128.C2
Gene No.	43122	Strand	-
Start	1	End	609
Name	OJ991107_41.0128.C2.o1.np	Method	AAT/NAP
Start	1	End	609
GI	5091513	Score	727
Exons	1..609		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	20688	Seq. ID	OJ991107_41.0128.C2
Gene No.	43122	Strand	-
Start	1	End	609
Name	OJ991107_41.0128.C2.o1.gs	Method	GENSCAN
Start	89	End	484
GI	none	Score	.5
Exons	89..484		

Seq. No.	20689	Seq. ID	OJ991107_41.0128.C3
Gene No.	43123	Strand	-
Start	1	End	281
Name	OJ991107_41.0128.C3.o1.np	Method	AAT/NAP
Start	1	End	281
GI	2498930	Score	124
Exons	1..54, 222..281		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	20689	Seq. ID	OJ991107_41.0128.C3
Gene No.	43123	Strand	-
Start	1	End	281
Name	OJ991107_41.0128.C3.o1.gs	Method	GENSCAN
Start	10	End	281
GI	none	Score	.92
Exons	10..54, 222..281		

Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4
Gene No.	43124	Strand	+
Start	1	End	2760
Name	OJ991107_41.0128.C4.o1.np	Method	AAT/NAP
Start	1	End	2760
GI	6006359	Score	58

Exons	1..36, 915..1015, 2731..2760		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4
Gene No.	43124	Strand	+
Start	1	End	2760
Name	OJ991107_41.0128.C4.o1.gs	Method	GENSCAN
Start	480	End	1676
GI	none	Score	.71
Exons	480..590, 841..1065, 1554..1676		
Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4
Gene No.	43125	Strand	+
Start	3720	End	3875
Name	OJ991107_41.0128.C4.o1.gp	Method	AAT/GAP
Start	3720	End	3875
GI	2311596	Score	205
Exons	3720..3875		
GI Descrip.	5852170/emb|AL117265.1|OST17804 0.0e+00 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4
Gene No.	43126	Strand	+
Start	5039	End	9544
Name	OJ991107_41.0128.C4.o3.gs	Method	GENSCAN
Start	5039	End	8940
GI	none	Score	.86
Exons	5039..5107, 7166..7244, 7837..8017, 8553..8674, 8804..8940		
Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4
Gene No.	43126	Strand	+
Start	5039	End	9544
Name	OJ991107_41.0128.C4.o2.np	Method	AAT/NAP
Start	7838	End	9544
GI	5123945	Score	310
Exons	7838..8017, 8553..8674, 9453..9544		
GI Descrip.	(AL079349) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4
Gene No.	43127	Strand	-
Start	2113	End	4604
Name	OJ991107_41.0128.C4.o2.gs	Method	GENSCAN
Start	2113	End	4604
GI	none	Score	.7
Exons	2113..2186, 2293..2376, 2424..2663, 3191..3359, 4509..4604		
Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4
Gene No.	43128	Strand	-
Start	9467	End	9817
Name	OJ991107_41.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	4034	End	8022
GI	none	Score	66
Exons	4034..4084, 5880..6026, 5911..6006, 5962..6027, 5963..6025, 7169..7246, 7174..7245, 7176..7247, 7833..8018, 7836..8018, 7957..8022		
Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4

Gene No.	43128	Strand	-
Start	9467	End	9817
Name	OJ991107_41.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	4040	End	8015
GI	none	Score	107
Exons	4040..4102, 7832..8011, 7832..7990, 7845..8015, 7884..8015		

Seq. No.	20690	Seq. ID	OJ991107_41.0128.C4
Gene No.	43128	Strand	-
Start	9467	End	9817
Name	OJ991107_41.0128.C4.o4.gs	Method	GENSCAN
Start	9467	End	9817
GI	none	Score	.74
Exons	9467..9581, 9744..9817		

Seq. No.	20691	Seq. ID	OJ991107_41.0128.C5
Gene No.	43129	Strand	+
Start	8171	End	10468
Name	OJ991107_41.0128.C5.o2.gs	Method	GENSCAN
Start	8171	End	10468
GI	none	Score	.59
Exons	8171..8224, 8293..8645, 8739..8865, 8890..9063, 10223..10273, 10391..10468		

Seq. No.	20691	Seq. ID	OJ991107_41.0128.C5
Gene No.	43129	Strand	+
Start	8171	End	10468
Name	OJ991107_41.0128.C5.o3.np	Method	AAT/NAP
Start	10171	End	10261
GI	6721561	Score	111
Exons	10171..10261		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20691	Seq. ID	OJ991107_41.0128.C5
Gene No.	43130	Strand	+
Start	10763	End	10876
Name	OJ991107_41.0128.C5.o1.gp	Method	AAT/GAP
Start	10763	End	10876
GI	uC-osflcyp088b12b1	Score	142
Exons	10763..10876		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	20691	Seq. ID	OJ991107_41.0128.C5
Gene No.	43131	Strand	-
Start	1030	End	7527
Name	OJ991107_41.0128.C5.o1.gs	Method	GENSCAN
Start	1030	End	6994
GI	none	Score	.43
Exons	1030..1163, 3449..3731, 3819..3989, 4080..4425, 6229..6388, 6434..6994		

Seq. No.	20691	Seq. ID	OJ991107_41.0128.C5

Gene No.	43131	Strand	-
Start	1030	End	7527
Name	OJ991107_41.0128.C5.o1.np	Method	AAT/NAP
Start	6707	End	7527
GI	5042447	Score	276
Exons	6707..7527		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20691	Seq. ID	OJ991107_41.0128.C5
Gene No.	43132	Strand	-
Start	7945	End	10741
Name	OJ991107_41.0128.C5.o2.np	Method	AAT/NAP
Start	7945	End	10741
GI	6815109	Score	707
Exons	7945..9185, 9250..9342, 10717..10741		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	20691	Seq. ID	OJ991107_41.0128.C5
Gene No.	43133	Strand	-
Start	14163	End	23046
Name	OJ991107_41.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	6436	End	7311
GI	none	Score	66
Exons	6436..6504, 6956..7105, 7105..7311		

Seq. No.	20691	Seq. ID	OJ991107_41.0128.C5
Gene No.	43133	Strand	-
Start	14163	End	23046
Name	OJ991107_41.0128.C5.o3.gs	Method	GENSCAN
Start	14163	End	23046
GI	none	Score	.53
Exons	14163..14388, 15883..15914, 16041..16142, 16298..16514, 16544..16633, 20724..20796, 21114..21216, 21294..21539, 21644..21863, 22960..23046		

Seq. No.	20692	Seq. ID	OJ991107_41.0128.C6
Gene No.	43134	Strand	+
Start	381	End	559
Name	OJ991107_41.0128.C6.o1.gs	Method	GENSCAN
Start	381	End	559
GI	none	Score	.7
Exons	381..559		

Seq. No.	20692	Seq. ID	OJ991107_41.0128.C6
Gene No.	43135	Strand	-
Start	1062	End	5413
Name	OJ991107_41.0128.C6.o2.gs	Method	GENSCAN
Start	1062	End	5413
GI	none	Score	.8
Exons	1062..1316, 1495..1582, 2645..2890, 3399..3457, 3701..3808, 3916..4306, 4428..4447, 5357..5413		

Seq. No.	20692	Seq. ID	OJ991107_41.0128.C6
Gene No.	43135	Strand	-
Start	1062	End	5413
Name	OJ991107_41.0128.C6.o1.np	Method	AAT/NAP
Start	1806	End	4646

GI	4769012	Score	797
Exons	1806..1827, 3395..3608, 3701..3808, 3916..4306, 4428..4646		
GI Descrip.	(AF143746)-CER1 [Oryza sativa]		

Seq. No.	20692	Seq. ID	OJ991107_41.0128.C6
Gene No.	43135	Strand	-
Start	1062	End	5413
Name	OJ991107_41.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	3396	End	4650
GI	none	Score	61
Exons	3396..3479, 3399..3530, 3570..3611, 3665..3808, 3700..3828, 3702..3809, 3922..3957, 4087..4167, 4093..4176, 4186..4305, 4193..4291, 4198..4302, 4425..4604, 4425..4568, 4433..4603, 4603..4650		

Seq. No.	20692	Seq. ID	OJ991107_41.0128.C6
Gene No.	43135	Strand	-
Start	1062	End	5413
Name	OJ991107_41.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	3686	End	4650
GI	none	Score	90
Exons	3686..3808, 3687..3812, 3917..3985, 3919..3957, 3961..4065, 4084..4176, 4099..4176, 4173..4292, 4174..4305, 4187..4306, 4416..4541, 4428..4601, 4433..4603, 4603..4650		

Seq. No.	20692	Seq. ID	OJ991107_41.0128.C6
Gene No.	43135	Strand	-
Start	1062	End	5413
Name	OJ991107_41.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	4186	End	4650
GI	none	Score	112
Exons	4186..4305, 4187..4306, 4416..4541, 4428..4601, 4433..4603, 4603..4650		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43136	Strand	+
Start	3140	End	4890
Name	OJ991107_41.0128.C7.o2.gs	Method	GENSCAN
Start	3140	End	4811
GI	none	Score	.98
Exons	3140..3202, 4134..4335, 4427..4470, 4623..4811		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43136	Strand	+
Start	3140	End	4890
Name	OJ991107_41.0128.C7.o1.gp	Method	AAT/GAP
Start	4261	End	4890
GI	36114_1.R1084	Score	809
Exons	4261..4335, 4427..4518, 4623..4890		
GI Descrip.	'5441894/dbj|BAA82392.1| 2.0e-10 (AP000367) EST AU030111(E50640) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43137	Strand	-
Start	593	End	2434
Name	OJ991107_41.0128.C7.o1.gs	Method	GENSCAN

Start	593	End	2434
GI	none	Score	.68
Exons	593..793, 1151..1282, 1357..1545, 1624..1745, 2023..2121, 2186..2339, 2417..2434		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43138	Strand	
Start	4145	End	4648
Name	OJ991107_41.0128.C7.o2.tw	Method	TBLASTX:Wheat
Start	4145	End	4521
GI	none	Score	55
Exons	4145..4330, 4151..4222, 4155..4334, 4423..4521, 4428..4520		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43138	Strand	
Start	4145	End	4648
Name	OJ991107_41.0128.C7.o4.tm	Method	TBLASTX:Maize
Start	4164	End	4648
GI	none	Score	131
Exons	4164..4322, 4184..4321, 4423..4521, 4423..4518, 4607..4648		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43139	Strand	
Start	5111	End	5416
Name	OJ991107_41.0128.C7.o3.tm	Method	TBLASTX:Maize
Start	5111	End	5416
GI	none	Score	99
Exons	5111..5332, 5324..5416		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43140	Strand	
Start	5661	End	6963
Name	OJ991107_41.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	5661	End	6053
GI	none	Score	59
Exons	5661..5714, 5718..5828, 5749..5829, 5838..5915, 5839..6051, 5847..6053		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43140	Strand	
Start	5661	End	6963
Name	OJ991107_41.0128.C7.o2.tm	Method	TBLASTX:Maize
Start	5661	End	6083
GI	none	Score	41
Exons	5661..5780, 5772..5849, 5776..5829, 5829..6038, 5841..5996, 5848..6030, 6033..6083		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43140	Strand	
Start	5661	End	6963
Name	OJ991107_41.0128.C7.o1.ts	Method	TBLASTX:Soybean
Start	5775	End	6414
GI	none	Score	110
Exons	5775..5798, 5850..6029, 6085..6177, 6193..6414		

Seq. No.	20693	Seq. ID	OJ991107_41.0128.C7
Gene No.	43140	Strand	

Start	5661	End	6963
Name	OJ991107_41.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	6088	End	6963
GI	none	Score	103
Exons	6088..6174, 6193..6486, 6194..6388, 6535..6963, 6536..6730		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43141	Strand	+
Start	9021	End	9518
Name	OJ991107_41.0128.C8.o4.gs	Method	GENSCAN
Start	9021	End	9518
GI	none	Score	.99
Exons	9021..9518		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43142	Strand	+
Start	11308	End	11794
Name	OJ991107_41.0128.C8.o6.gs	Method	GENSCAN
Start	11308	End	11794
GI	none	Score	.68
Exons	11308..11621, 11635..11794		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43143	Strand	-
Start	152	End	1045
Name	OJ991107_41.0128.C8.o1.gs	Method	GENSCAN
Start	152	End	1045
GI	none	Score	.89
Exons	152..1045		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43144	Strand	-
Start	1620	End	3143
Name	OJ991107_41.0128.C8.o3.np	Method	AAT/NAP
Start	1617	End	2541
GI	6539577	Score	229
Exons	1617..1868, 2212..2339, 2395..2541		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43144	Strand	-
Start	1620	End	3143
Name	OJ991107_41.0128.C8.o2.gs	Method	GENSCAN
Start	1620	End	3143
GI	none	Score	.46
Exons	1620..1903, 1911..2842, 3052..3143		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43145	Strand	-
Start	5644	End	10841
Name	OJ991107_41.0128.C8.o3.gs	Method	GENSCAN
Start	5644	End	7128
GI	none	Score	.88
Exons	5644..6729, 6844..7128		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43145	Strand	-

Start	5644	End	10841
Name	OJ991107_41.0128.C8.o6.np	Method	AAT/NAP
Start	6223	End	10841
GI	4769012	Score	473
Exons	6223..6252, 9787..10044, 10201..10423, 10773..10841		
GI Descrip.	(AF143746) CER1 [Oryza sativa]		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43145	Strand	-
Start	5644	End	10841
Name	OJ991107_41.0128.C8.o5.np	Method	AAT/NAP
Start	7353	End	7598
GI	1084404	Score	100
Exons	7353..7598		
GI Descrip.	hypothetical protein - tomato gi|667069 (L22186) ORF [Lycopersicon esculentum]		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43145	Strand	-
Start	5644	End	10841
Name	OJ991107_41.0128.C8.o5.gs	Method	GENSCAN
Start	10210	End	10805
GI	none	Score	.72
Exons	10210..10430, 10781..10805		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43146	Strand	-
Start	12818	End	25414
Name	OJ991107_41.0128.C8.o1.tw	Method	TBLASTX:Wheat
Start	479	End	898
GI	none	Score	176
Exons	479..898, 480..887		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43146	Strand	-
Start	12818	End	25414
Name	OJ991107_41.0128.C8.o2.tm	Method	TBLASTX:Maize
Start	6358	End	6867
GI	none	Score	193
Exons	6358..6540, 6571..6867		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43146	Strand	-
Start	12818	End	25414
Name	OJ991107_41.0128.C8.o1.ts	Method	TBLASTX:Soybean
Start	6595	End	6919
GI	none	Score	112
Exons	6595..6918, 6599..6919		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43146	Strand	-
Start	12818	End	25414
Name	OJ991107_41.0128.C8.o2.tc	Method	TBLASTX:Cress
Start	6640	End	7011
GI	none	Score	189
Exons	6640..7011		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43146	Strand	-
Start	12818	End	25414
Name	OJ991107_41.0128.C8.o1.tc	Method	TBLASTX:Cress
Start	9793	End	10365
GI	none	Score	147
Exons	9793..9936, 9794..9925, 9796..9936, 10200..10235, 10255..10365		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43146	Strand	-
Start	12818	End	25414
Name	OJ991107_41.0128.C8.o1.tm	Method	TBLASTX:Maize
Start	9793	End	10392
GI	none	Score	206
Exons	9793..9963, 9794..10000, 9797..10000, 10222..10263, 10255..10392		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43146	Strand	-
Start	12818	End	25414
Name	OJ991107_41.0128.C8.o2.ts	Method	TBLASTX:Soybean
Start	9793	End	10338
GI	none	Score	206
Exons	9793..9963, 9794..10000, 9797..10000, 10222..10254, 10255..10338		

Seq. No.	20694	Seq. ID	OJ991107_41.0128.C8
Gene No.	43146	Strand	-
Start	12818	End	25414
Name	OJ991107_41.0128.C8.o7.gs	Method	GENSCAN
Start	12818	End	25414
GI	none	Score	.73
Exons	12818..12950, 13552..13663, 13872..13998, 15187..15418, 15894..15951, 21387..21500, 21809..21978, 22035..22151, 22162..22249, 22278..22420, 23998..24194, 25382..25414		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43147	Strand	+
Start	1	End	1827
Name	OJ991107_41.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	1602
GI	6063554	Score	122
Exons	1..48, 1409..1602		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43147	Strand	+
Start	1	End	1827
Name	OJ991107_41.0128.C9.o1.gs	Method	GENSCAN
Start	1231	End	1827
GI	none	Score	.74
Exons	1231..1285, 1347..1483, 1569..1623, 1706..1827		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43148	Strand	+
Start	2957	End	5781
Name	OJ991107_41.0128.C9.o2.gs	Method	GENSCAN

Start	2957	End	5781
GI	none	Score	.63
Exons	2957..3284, 3350..3746, 4977..5108, 5191..5450, 5525..5781		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43149	Strand	+
Start	9468	End	15944
Name	OJ991107_41.0128.C9.o3.gs	Method	GENSCAN
Start	9468	End	15944
GI	none	Score	.51
Exons	9468..10239, 10404..11258, 11463..11606, 12060..12411, 12671..12849, 12950..13155, 13233..13759, 14053..14810, 14839..15569, 15663..15944		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43149	Strand	+
Start	9468	End	15944
Name	OJ991107_41.0128.C9.o3.np	Method	AAT/NAP
Start	9727	End	15923
GI	4544372	Score	1012
Exons	9727..9780, 12805..13871, 13914..14275, 14381..15923		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43150	Strand	+
Start	22603	End	23217
Name	OJ991107_41.0128.C9.o5.gs	Method	GENSCAN
Start	22603	End	23217
GI	none	Score	.93
Exons	22603..22656, 22750..23217		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43151	Strand	+
Start	35247	End	51767
Name	OJ991107_41.0128.C9.o8.gs	Method	GENSCAN
Start	35247	End	39498
GI	none	Score	.6
Exons	35247..36202, 36315..36451, 36690..36892, 37687..37813, 37815..38098, 38255..38398, 38492..39037, 39043..39498		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43151	Strand	+
Start	35247	End	51767
Name	OJ991107_41.0128.C9.o5.np	Method	AAT/NAP
Start	35370	End	39459
GI	4544372	Score	1108
Exons	35370..36310, 36350..36892, 37560..37947, 38139..39459		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43151	Strand	+
Start	35247	End	51767
Name	OJ991107_41.0128.C9.o6.np	Method	AAT/NAP
Start	38346	End	39504
GI	629693	Score	536

Exons	38346..39504		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43151	Strand	+
Start	35247	End	51767
Name	OJ991107_41.0128.C9.o7.np	Method	AAT/NAP
Start	38878	End	51767
GI	5091513	Score	1735
Exons	38878..38899, 47951..48204, 48253..49007, 49750..50521, 51114..51240, 51542..51767		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43151	Strand	+
Start	35247	End	51767
Name	OJ991107_41.0128.C9.o4.gp	Method	AAT/GAP
Start	47248	End	47494
GI	3761181	Score	430
Exons	47248..47494		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43152	Strand	-
Start	148	End	312
Name	OJ991107_41.0128.C9.o1.gp	Method	AAT/GAP
Start	148	End	312
GI	101153_1.R1084	Score	254
Exons	148..312		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43153	Strand	-
Start	16553	End	19902
Name	OJ991107_41.0128.C9.o4.gs	Method	GENSCAN
Start	16553	End	19902
GI	none	Score	.85
Exons	16553..17077, 17156..17266, 17473..17913, 18470..18757, 19558..19902		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43154	Strand	-
Start	24153	End	29849
Name	OJ991107_41.0128.C9.o6.gs	Method	GENSCAN
Start	24153	End	29843
GI	none	Score	.54
Exons	24153..24671, 24718..24773, 25824..25984, 26147..26249, 27114..27241, 27982..28592, 28789..28972, 29153..29418, 29433..29843		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43154	Strand	-
Start	24153	End	29849
Name	OJ991107_41.0128.C9.o4.np	Method	AAT/NAP

Start	27981	End	29849
GI	5915834	Score	750
Exons	27981..28592, 28789..28993, 29153..29849		
GI Descrip.	CYTOCHROME P450 76C4 gi|2979547|gb|AAC06156.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43155	Strand	-
Start	39922	End	41541
Name	OJ991107_41.0128.C9.o9.gs	Method	GENSCAN
Start	39922	End	41541
GI	none	Score	.98
Exons	39922..40605, 40684..40794, 40866..40925, 41000..41425, 41503..41541		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43156	Strand	-
Start	41772	End	43866
Name	OJ991107_41.0128.C9.o10.gs	Method	GENSCAN
Start	41772	End	43866
GI	none	Score	.73
Exons	41772..42334, 42479..42598, 43075..43180, 43243..43525, 43814..43866		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o8.ts	Method	TBLASTX:Soybean
Start	12173	End	35077
GI	none	Score	188
Exons	12173..12511, 35003..35077		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o6.ts	Method	TBLASTX:Soybean
Start	12933	End	35852
GI	none	Score	79
Exons	12933..13091, 35487..35711, 35718..35852		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	13099	End	36053
GI	none	Score	55
Exons	13099..13146, 13181..13249, 13235..13489, 13242..13490, 35648..35695, 35649..35705, 35700..36053, 35708..36052		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o3.tm	Method	TBLASTX:Maize
Start	13175	End	35921
GI	none	Score	76
Exons	13175..13249, 13235..13357, 13245..13358, 35703..35921, 35703..35897, 35708..35920		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	13359	End	36348
GI	none	Score	528
Exons	13359..13820, 13359..13748, 13361..13819, 35922..36194, 35924..36175, 36176..36310, 36265..36327, 36310..36348		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o5.tw	Method	TBLASTX:Wheat
Start	13491	End	36310
GI	none	Score	200
Exons	13491..13826, 13529..13822, 13788..13889, 36054..36194, 36176..36310		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o3.ts	Method	TBLASTX:Soybean
Start	13506	End	36497
GI	none	Score	214
Exons	13506..13787, 13544..13681, 13788..13919, 13832..13912, 36069..36194, 36104..36175, 36176..36310, 36307..36474, 36360..36497		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o2.ts	Method	TBLASTX:Soybean
Start	14108	End	38026
GI	none	Score	148
Exons	14108..14245, 14110..14241, 14266..14517, 14267..14518, 36656..36793, 36658..36807, 37781..38026		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o3.tw	Method	TBLASTX:Wheat
Start	14153	End	38059
GI	none	Score	78
Exons	14153..14242, 14282..14551, 14293..14358, 14380..14529, 36701..36790, 37784..38059		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o4.tm	Method	TBLASTX:Maize
Start	14967	End	38857
GI	none	Score	87
Exons	14967..15125, 15123..15347, 38477..38635, 38633..38857		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-

Start	51510	End	51818
Name	OJ991107_41.0128.C9.o4.ts	Method	TBLASTX:Soybean
Start	14970	End	38878
GI	none	Score	241
Exons	14970..15368, 15074..15190, 38483..38878, 38584..38700		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o6.tw	Method	TBLASTX:Wheat
Start	15125	End	38998
GI	none	Score	168
Exons	15125..15208, 15126..15395, 15450..15533, 38635..38811, 38636..38905, 38966..38998		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o4.tw	Method	TBLASTX:Wheat
Start	15537	End	39444
GI	none	Score	46
Exons	15537..15623, 15641..15874, 15642..15875, 39043..39444		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o5.ts	Method	TBLASTX:Soybean
Start	15684	End	39465
GI	none	Score	228
Exons	15684..15929, 15686..15823, 15896..15934, 39220..39465, 39220..39348, 39258..39392, 39432..39461		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	28005	End	28592
GI	none	Score	135
Exons	28005..28391, 28141..28365, 28203..28391, 28375..28581, 28377..28592		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	28065	End	29684
GI	none	Score	164
Exons	28065..28367, 28066..28365, 28377..28607, 28381..28605, 29158..29214, 29259..29465, 29574..29684		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o2.tm	Method	TBLASTX:Maize
Start	28066	End	28593
GI	none	Score	122
Exons	28066..28212, 28068..28199, 28089..28220, 28111..28200,		

28226..28330, 28233..28367, 28236..28361, 28237..28365,
28377..28592, 28381..28593, 28381..28593

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o2.tw	Method	TBLASTX:Wheat
Start	28068	End	28331
GI	none	Score	78
Exons	28068..28211, 28069..28218, 28230..28331		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o7.tw	Method	TBLASTX:Wheat
Start	28377	End	28619
GI	none	Score	63
Exons	28377..28619, 28474..28593		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o7.ts	Method	TBLASTX:Soybean
Start	29259	End	29684
GI	none	Score	87
Exons	29259..29561, 29574..29684		

Seq. No.	20695	Seq. ID	OJ991107_41.0128.C9
Gene No.	43157	Strand	-
Start	51510	End	51818
Name	OJ991107_41.0128.C9.o13.gs	Method	GENSCAN
Start	51510	End	51818
GI	none	Score	.82
Exons	51510..51646, 51770..51818		

Seq. No.	20696	Seq. ID	OJ991107_41.0128.C10
Gene No.	43158	Strand	+
Start	1	End	1017
Name	OJ991107_41.0128.C10.o1.np	Method	AAT/NAP
Start	1	End	1017
GI	5091513	Score	983
Exons	1..780, 830..1017		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	20696	Seq. ID	OJ991107_41.0128.C10
Gene No.	43158	Strand	+
Start	1	End	1017
Name	OJ991107_41.0128.C10.o1.gs	Method	GENSCAN
Start	125	End	943
GI	none	Score	.99
Exons	125..364, 404..943		

Seq. No.	20697	Seq. ID	OJ991107_41.0128.C11
Gene No.	43159	Strand	+
Start	419	End	632
Name	OJ991107_41.0128.C11.o1.np	Method	AAT/NAP
Start	419	End	632

GI	6498441	Score	93
Exons	419..632		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	20698	Seq. ID	OJ991107_41.0128.C12
Gene No.	43160	Strand	+
Start	169	End	503
Name	OJ991107_41.0128.C12.o1.gs	Method	GENSCAN
Start	169	End	503
GI	none	Score	.52
Exons	169..503		

Seq. No.	20698	Seq. ID	OJ991107_41.0128.C12
Gene No.	43161	Strand	-
Start	181	End	598
Name	OJ991107_41.0128.C12.o1.np	Method	AAT/NAP
Start	181	End	598
GI	5091512	Score	546
Exons	181..598		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43162	Strand	+
Start	1	End	2577
Name	OJ991217_18.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	2577
GI	3777527	Score	1670
Exons	1..1114, 1279..2577		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43163	Strand	+
Start	3384	End	4818
Name	OJ991217_18.0118.C1.o2.np	Method	AAT/NAP
Start	3384	End	4818
GI	5852180	Score	370
Exons	3384..3437, 4423..4541, 4593..4818		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o2.tw	Method	TBLASTX:Wheat
Start	231	End	786
GI	none	Score	75
Exons	231..410, 470..736, 613..666, 732..785, 736..786		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	455	End	1095
GI	none	Score	80
Exons	455..520, 460..522, 521..736, 607..693, 732..941, 736..942,		

937..1095

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o3.ts	Method	TBLASTX:Soybean
Start	629	End	1089
GI	none	Score	82
Exons	629..736, 711..929, 736..939, 961..1089		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o1.ts	Method	TBLASTX:Soybean
Start	1410	End	2023
GI	5509260	Score	655
Exons	1410..1454, 1458..2018, 1458..1703, 1517..1720, 1766..2023		
GI Descrip.	-		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o1.tw	Method	TBLASTX:Wheat
Start	1538	End	2015
GI	none	Score	84
Exons	1538..1627, 1539..1628, 1608..2009, 1670..1720, 1678..1785, 1829..1999, 1836..2015		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o1.tc	Method	TBLASTX:Cress
Start	1644	End	1904
GI	none	Score	231
Exons	1644..1904		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	1685	End	2127
GI	none	Score	502
Exons	1685..2059, 1686..2123, 1834..2127, 1839..2123		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o2.ts	Method	TBLASTX:Soybean
Start	2160	End	2570
GI	none	Score	350
Exons	2160..2570, 2177..2446, 2489..2560		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o3.tm	Method	TBLASTX:Maize
Start	2192	End	2570

GI	none	Score	398
Exons	2192..2554, 2193..2570, 2205..2558		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o3.tw	Method	TBLASTX:Wheat
Start	2199	End	2576
GI	none	Score	99
Exons	2199..2333, 2373..2576		

Seq. No.	20699	Seq. ID	OJ991217_18.0118.C1
Gene No.	43164	Strand	-
Start	3286	End	3668
Name	OJ991217_18.0118.C1.o1.gp	Method	AAT/GAP
Start	3286	End	3668
GI	uC-osflcyp033a04b1	Score	664
Exons	3286..3668		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20700	Seq. ID	OJ991217_18.0118.C2
Gene No.	43165	Strand	+
Start	1	End	1825
Name	OJ991217_18.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	1825
GI	3645899	Score	141
Exons	1..59, 559..768, 1793..1825		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	20700	Seq. ID	OJ991217_18.0118.C2
Gene No.	43166	Strand	-
Start	878	End	1363
Name	OJ991217_18.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	536	End	744
GI	none	Score	169
Exons	536..685, 537..683, 682..744		

Seq. No.	20700	Seq. ID	OJ991217_18.0118.C2
Gene No.	43166	Strand	-
Start	878	End	1363
Name	OJ991217_18.0118.C2.o1.gs	Method	GENSCAN
Start	878	End	1363
GI	none	Score	.86
Exons	878..957, 1198..1363		

Seq. No.	20701	Seq. ID	OJ991217_18.0118.C3
Gene No.	43167	Strand	+
Start	505	End	1493
Name	OJ991217_18.0118.C3.o1.gs	Method	GENSCAN
Start	505	End	1493
GI	none	Score	.53
Exons	505..631, 1052..1153, 1264..1493		

Seq. No.	20701	Seq. ID	OJ991217_18.0118.C3
Gene No.	43168	Strand	+
Start	3577	End	5525

Name	OJ991217_18.0118.C3.o2.np	Method	AAT/NAP
Start	3577	End	5525
GI	4680186	Score	243
Exons	3577..3626, 5321..5525		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20701	Seq. ID	OJ991217_18.0118.C3
Gene No.	43169	Strand	-
Start	1	End	345
Name	OJ991217_18.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	345
GI	6907087	Score	530
Exons	1..345		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20701	Seq. ID	OJ991217_18.0118.C3
Gene No.	43170	Strand	-
Start	5073	End	5454
Name	OJ991217_18.0118.C3.o1.gp	Method	AAT/GAP
Start	5073	End	5454
GI	uC-osflcyp033a04b1	Score	675
Exons	5073..5454		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20701	Seq. ID	OJ991217_18.0118.C3
Gene No.	43171	Strand	-
Start	5917	End	7424
Name	OJ991217_18.0118.C3.o3.gs	Method	GENSCAN
Start	5917	End	7272
GI	none	Score	.59
Exons	5917..6021, 6381..6495, 6560..7272		

Seq. No.	20701	Seq. ID	OJ991217_18.0118.C3
Gene No.	43171	Strand	-
Start	5917	End	7424
Name	OJ991217_18.0118.C3.o3.np	Method	AAT/NAP
Start	5920	End	7424
GI	6907087	Score	749
Exons	5920..6021, 6560..7424		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43172	Strand	+
Start	1897	End	5685
Name	OJ991217_18.0118.C4.o1.np	Method	AAT/NAP
Start	1897	End	5685
GI	4206306	Score	2248
Exons	1897..1980, 2258..5685		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-

Start	5617	End	7855
Name	OJ991217_18.0118.C4.o6.tw	Method	TBLASTX:Wheat
Start	1335	End	1679
GI	none	Score	182
Exons	1335..1679		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o4.tw	Method	TBLASTX:Wheat
Start	2420	End	2779
GI	none	Score	88
Exons	2420..2551, 2557..2778, 2558..2779		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	2965	End	3420
GI	none	Score	473
Exons	2965..3420, 2989..3384, 2991..3419		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	3093	End	3450
GI	none	Score	430
Exons	3093..3449, 3094..3450		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	3478	End	3861
GI	none	Score	395
Exons	3478..3861, 3519..3755		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o2.tw	Method	TBLASTX:Wheat
Start	3534	End	3959
GI	none	Score	88
Exons	3534..3731, 3534..3959, 3535..3954		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	3580	End	3963
GI	none	Score	255
Exons	3580..3963, 3633..3773		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855

Name	OJ991217_18.0118.C4.o3.tw	Method	TBLASTX:Wheat
Start	4230	End	4662
GI	none	Score	303
Exons	4230..4661, 4231..4662		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o5.tw	Method	TBLASTX:Wheat
Start	5081	End	5587
GI	none	Score	99
Exons	5081..5200, 5228..5359, 5552..5587		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	5126	End	5368
GI	none	Score	204
Exons	5126..5368		

Seq. No.	20702	Seq. ID	OJ991217_18.0118.C4
Gene No.	43173	Strand	-
Start	5617	End	7855
Name	OJ991217_18.0118.C4.o2.gs	Method	GENSCAN
Start	5617	End	7855
GI	none	Score	.62
Exons	5617..5997, 6108..6328, 6529..6930, 7019..7094, 7167..7283, 7652..7855		

Seq. No.	20703	Seq. ID	OJ991217_18.0118.C6
Gene No.	43174	Strand	+
Start	657	End	851
Name	OJ991217_18.0118.C6.o1.gs	Method	GENSCAN
Start	657	End	851
GI	none	Score	.98
Exons	657..851		

Seq. No.	20704	Seq. ID	OJ991217_18.0118.C7
Gene No.	43175	Strand	-
Start	1	End	8175
Name	OJ991217_18.0118.C7.o2.np	Method	AAT/NAP
Start	1	End	1866
GI	6539588	Score	188
Exons	1..27, 871..1126, 1840..1866		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20704	Seq. ID	OJ991217_18.0118.C7
Gene No.	43175	Strand	-
Start	1	End	8175
Name	OJ991217_18.0118.C7.o1.gs	Method	GENSCAN
Start	876	End	8175
GI	none	Score	.65
Exons	876..1126, 2683..2845, 2945..3043, 3187..3211, 3312..3422, 3512..3685, 3774..4427, 4599..4813, 4886..6085, 6149..6304, 6680..6749, 7040..7248, 7296..7347, 7391..7534, 8058..8175		

Seq. No.	20704	Seq. ID	OJ991217_18.0118.C7
Gene No.	43175	Strand	-
Start	1	End	8175
Name	OJ991217_18.0118.C7.o3.np	Method	AAT/NAP
Start	2681	End	6319
GI	4680204	Score	913
Exons	2681..2883, 3287..3422, 3512..3685, 3774..4792, 4886..6319		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20704	Seq. ID	OJ991217_18.0118.C7
Gene No.	43175	Strand	-
Start	1	End	8175
Name	OJ991217_18.0118.C7.o5.np	Method	AAT/NAP
Start	4155	End	6319
GI	4680204	Score	859
Exons	4155..4301, 4407..4792, 4886..6319		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	20704	Seq. ID	OJ991217_18.0118.C7
Gene No.	43175	Strand	-
Start	1	End	8175
Name	OJ991217_18.0118.C7.o1.tw	Method	TBLASTX:Wheat
Start	5276	End	5679
GI	none	Score	68
Exons	5276..5446, 5277..5345, 5436..5576, 5441..5677, 5483..5677, 5563..5679		

Seq. No.	20704	Seq. ID	OJ991217_18.0118.C7
Gene No.	43175	Strand	-
Start	1	End	8175
Name	OJ991217_18.0118.C7.o6.np	Method	AAT/NAP
Start	8039	End	8172
GI	4680203	Score	94
Exons	8039..8172		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	1978
GI	4680179	Score	2865
Exons	1..1978		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o3.tw	Method	TBLASTX:Wheat
Start	3	End	434
GI	none	Score	154
Exons	3..434, 4..378		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o1.gs	Method	GENSCAN

Start	31	End	1877
GI	none	Score	.79
Exons	31..221, 351..1877		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o2.tm	Method	TBLASTX:Maize
Start	159	End	476
GI	none	Score	72
Exons	159..476, 164..355, 174..464, 214..465, 395..469		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o2.ts	Method	TBLASTX:Soybean
Start	393	End	653
GI	none	Score	133
Exons	393..653, 394..648		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o1.tw	Method	TBLASTX:Wheat
Start	441	End	1019
GI	none	Score	322
Exons	441..1019, 442..1008		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o4.tm	Method	TBLASTX:Maize
Start	477	End	791
GI	none	Score	109
Exons	477..791, 478..681, 627..767		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o1.tm	Method	TBLASTX:Maize
Start	999	End	1362
GI	none	Score	152
Exons	999..1361, 1008..1361, 1012..1362		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o2.tw	Method	TBLASTX:Wheat
Start	1020	End	1433
GI	none	Score	340
Exons	1020..1433, 1021..1401		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o3.ts	Method	TBLASTX:Soybean
Start	1182	End	1427

GI	none	Score	93
Exons	1182..1427, 1183..1410		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o3.tm	Method	TBLASTX:Maize
Start	1398	End	1898
GI	none	Score	49
Exons	1398..1712, 1444..1491, 1519..1572, 1719..1898, 1771..1890		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o4.tw	Method	TBLASTX:Wheat
Start	1436	End	1736
GI	none	Score	187
Exons	1436..1582, 1440..1733, 1443..1736, 1450..1734		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o1.ts	Method	TBLASTX:Soybean
Start	1449	End	1844
GI	none	Score	184
Exons	1449..1808, 1450..1740, 1771..1806, 1812..1844		

Seq. No.	20705	Seq. ID	OJ991217_18.0118.C8
Gene No.	43176	Strand	-
Start	1	End	1978
Name	OJ991217_18.0118.C8.o5.tw	Method	TBLASTX:Wheat
Start	1740	End	1977
GI	none	Score	159
Exons	1740..1907, 1747..1899, 1911..1976, 1915..1977		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43177	Strand	+
Start	333	End	5397
Name	OJ991217_18.0118.C9.o3.np	Method	AAT/NAP
Start	333	End	5397
GI	5852180	Score	426
Exons	333..355, 3820..3885, 4864..4982, 5034..5397		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43178	Strand	-
Start	1	End	1720
Name	OJ991217_18.0118.C9.o1.np	Method	AAT/NAP
Start	1	End	1720
GI	4680179	Score	1276
Exons	1..602, 636..1720		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43178	Strand	-
Start	1	End	1720
Name	OJ991217_18.0118.C9.o1.gs	Method	GENSCAN

Start	72	End	1720
GI	none	Score	.53
Exons	72..296, 526..799, 1007..1720		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43179	Strand	-
Start	2204	End	7792
Name	OJ991217_18.0118.C9.o2.tw	Method	TBLASTX:Wheat
Start	139	End	577
GI	none	Score	64
Exons	139..180, 208..321, 209..322, 368..577, 369..521		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43179	Strand	-
Start	2204	End	7792
Name	OJ991217_18.0118.C9.o1.tw	Method	TBLASTX:Wheat
Start	881	End	1247
GI	none	Score	106
Exons	881..1246, 1053..1247		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43179	Strand	-
Start	2204	End	7792
Name	OJ991217_18.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	941	End	1246
GI	none	Score	86
Exons	941..1246, 1116..1232		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43179	Strand	-
Start	2204	End	7792
Name	OJ991217_18.0118.C9.o3.tw	Method	TBLASTX:Wheat
Start	1281	End	1540
GI	none	Score	114
Exons	1281..1478, 1283..1480, 1493..1540		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43179	Strand	-
Start	2204	End	7792
Name	OJ991217_18.0118.C9.o2.gs	Method	GENSCAN
Start	2204	End	7792
GI	none	Score	.71
Exons	2204..2779, 3947..4038, 4067..4122, 4886..4992, 5189..5380, 5627..5784, 7327..7792		

Seq. No.	20706	Seq. ID	OJ991217_18.0118.C9
Gene No.	43179	Strand	-
Start	2204	End	7792
Name	OJ991217_18.0118.C9.o1.gp	Method	AAT/GAP
Start	3734	End	4116
GI	uC-osflcyp033a04b1	Score	696
Exons	3734..4116		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-

Start	336	End	4357
Name	OJ991217_18.0118.C10.o1.gs	Method	GENSCAN
Start	336	End	4295
GI	none	Score	.95
Exons	336..4295		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o1.np	Method	AAT/NAP
Start	339	End	4357
GI	4680179	Score	5021
Exons	339..3740, 3774..4357		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o6.tw	Method	TBLASTX:Wheat
Start	384	End	717
GI	none	Score	124
Exons	384..716, 405..713, 448..717		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	564	End	1163
GI	none	Score	110
Exons	564..1004, 579..842, 580..1005, 937..1005, 1000..1149, 1002..1163, 1009..1155		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	717	End	1343
GI	none	Score	67
Exons	717..1343, 720..971, 829..1287		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o4.tm	Method	TBLASTX:Maize
Start	1212	End	1503
GI	none	Score	211
Exons	1212..1502, 1216..1503		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	1301	End	1562
GI	none	Score	147
Exons	1301..1483, 1302..1562, 1303..1557		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10

Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o1.tc	Method	TBLASTX:Cress
Start	1326	End	1643
GI	none	Score	85
Exons	1326..1469, 1327..1467, 1470..1643		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o2.tw	Method	TBLASTX:Wheat
Start	1350	End	1917
GI	none	Score	335
Exons	1350..1886, 1351..1917		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	1908	End	2271
GI	none	Score	173
Exons	1908..2270, 1917..2270, 1921..2271		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o3.tw	Method	TBLASTX:Wheat
Start	1920	End	2342
GI	none	Score	367
Exons	1920..2342, 1921..2340		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o3.ts	Method	TBLASTX:Soybean
Start	2091	End	2336
GI	none	Score	94
Exons	2091..2336, 2092..2328		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o3.tm	Method	TBLASTX:Maize
Start	2307	End	2801
GI	none	Score	50
Exons	2307..2621, 2350..2400, 2428..2481, 2628..2801, 2653..2799		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o5.tw	Method	TBLASTX:Wheat
Start	2343	End	2645
GI	none	Score	185
Exons	2343..2645, 2349..2642, 2359..2643		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-

Start	336	End	4357
Name	OJ991217_18.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	2358	End	2753
GI	none	Score	199
Exons	2358..2717, 2359..2649, 2677..2715, 2721..2753, 2722..2751		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o4.tw	Method	TBLASTX:Wheat
Start	2694	End	3176
GI	none	Score	200
Exons	2694..3071, 2737..3072, 3126..3176		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o5.tm	Method	TBLASTX:Maize
Start	2875	End	3164
GI	none	Score	133
Exons	2875..3066, 2877..3164		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o8.tw	Method	TBLASTX:Wheat
Start	3291	End	3713
GI	none	Score	61
Exons	3291..3458, 3346..3459, 3504..3713, 3505..3657		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o7.tm	Method	TBLASTX:Maize
Start	3396	End	3719
GI	none	Score	179
Exons	3396..3719		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o7.tw	Method	TBLASTX:Wheat
Start	4032	End	4356
GI	none	Score	82
Exons	4032..4355, 4189..4356		

Seq. No.	20707	Seq. ID	OJ991217_18.0118.C10
Gene No.	43180	Strand	-
Start	336	End	4357
Name	OJ991217_18.0118.C10.o6.tm	Method	TBLASTX:Maize
Start	4077	End	4356
GI	none	Score	75
Exons	4077..4355, 4204..4356		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43181	Strand	+
Start	104	End	3358

Name	OJ991217_18.0118.C11.o1.gs	Method	GENSCAN
Start	104	End	3358
GI	none	Score	.42
Exons	104..149, 1250..1347, 1353..1586, 1784..1832, 3309..3358		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43181	Strand	+
Start	104	End	3358
Name	OJ991217_18.0118.C11.o1.gp	Method	AAT/GAP
Start	909	End	1217
GI	2312818	Score	524
Exons	909..1217		
GI Descrip.	5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43181	Strand	+
Start	104	End	3358
Name	OJ991217_18.0118.C11.o2.gp	Method	AAT/GAP
Start	1302	End	2036
GI	101153_1.R1084	Score	684
Exons	1302..1491, 1809..2036		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43181	Strand	+
Start	104	End	3358
Name	OJ991217_18.0118.C11.o3.gp	Method	AAT/GAP
Start	2054	End	2481
GI	2428185	Score	837
Exons	2054..2481		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43182	Strand	+
Start	4652	End	5747
Name	OJ991217_18.0118.C11.o4.np	Method	AAT/NAP
Start	4652	End	5747
GI	4680186	Score	317
Exons	4652..4707, 5547..5747		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43183	Strand	-
Start	1	End	1318
Name	OJ991217_18.0118.C11.o1.np	Method	AAT/NAP
Start	1	End	1318
GI	5042447	Score	220
Exons	1..316, 1220..1318		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43184	Strand	-
Start	1271	End	2699
Name	OJ991217_18.0118.C11.o2.np	Method	AAT/NAP

Start	1271	End	2699
GI	5852180	Score	293
Exons	1271..1644, 2651..2699		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43185	Strand	-
Start	3009	End	3266
Name	OJ991217_18.0118.C11.o5.gp	Method	AAT/GAP
Start	3009	End	3266
GI	61605_3.R1084	Score	425
Exons	3009..3266		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43186	Strand	-
Start	3602	End	5680
Name	OJ991217_18.0118.C11.o2.gs	Method	GENSCAN
Start	3602	End	5582
GI	none	Score	.94
Exons	3602..4411, 5511..5582		

Seq. No.	20708	Seq. ID	OJ991217_18.0118.C11
Gene No.	43186	Strand	-
Start	3602	End	5680
Name	OJ991217_18.0118.C11.o6.gp	Method	AAT/GAP
Start	5298	End	5680
GI	uC-osflcyp033a04b1	Score	688
Exons	5298..5680		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20709	Seq. ID	OJ991217_18.0118.C12
Gene No.	43187	Strand	-
Start	324	End	641
Name	OJ991217_18.0118.C12.o1.gs	Method	GENSCAN
Start	324	End	641
GI	none	Score	.79
Exons	324..467, 541..641		

Seq. No.	20710	Seq. ID	OJ991217_18.0118.C15
Gene No.	43188	Strand	+
Start	4605	End	6828
Name	OJ991217_18.0118.C15.o2.gs	Method	GENSCAN
Start	4605	End	6828
GI	none	Score	.78
Exons	4605..4670, 5441..5620, 5758..5805, 6727..6828		

Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43189	Strand	+
Start	7233	End	10086
Name	OJ991217_18.0118.C16.o3.gs	Method	GENSCAN
Start	7233	End	10086
GI	none	Score	.58
Exons	7233..7251, 7621..7809, 8453..8674, 9947..10086		

Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43190	Strand	+
Start	17178	End	17975
Name	OJ991217_18.0118.C16.o1.np	Method	AAT/NAP
Start	17178	End	17975
GI	4512231	Score	1315
Exons	17178..17975		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43191	Strand	+
Start	18180	End	19623
Name	OJ991217_18.0118.C16.o2.np	Method	AAT/NAP
Start	18180	End	19623
GI	4680179	Score	912
Exons	18180..19623		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43191	Strand	+
Start	18180	End	19623
Name	OJ991217_18.0118.C16.o6.gs	Method	GENSCAN
Start	18345	End	19364
GI	none	Score	.68
Exons	18345..18900, 19000..19364		

Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43192	Strand	-
Start	11940	End	18593
Name	OJ991217_18.0118.C16.o4.gs	Method	GENSCAN
Start	11940	End	15701
GI	none	Score	.49
Exons	11940..12162, 12868..12993, 13755..13936, 14037..14179, 14983..15248, 15279..15590, 15595..15701		

Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43192	Strand	-
Start	11940	End	18593
Name	OJ991217_18.0118.C16.o2.tw	Method	TBLASTX:Wheat
Start	13511	End	18593
GI	none	Score	55
Exons	13511..13570, 18245..18262, 18395..18592, 18396..18593		

Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43193	Strand	
Start	18642	End	18995
Name	OJ991217_18.0118.C16.o1.tw	Method	TBLASTX:Wheat
Start	18642	End	18995
GI	none	Score	309
Exons	18642..18932, 18645..18995		

Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43193	Strand	
Start	18642	End	18995
Name	OJ991217_18.0118.C16.o1.tm	Method	TBLASTX:Maize
Start	18645	End	18950
GI	none	Score	242

Exons	18645..18950		
Seq. No.	20711	Seq. ID	OJ991217_18.0118.C16
Gene No.	43194	Strand	
Start	19284	End	19623
Name	OJ991217_18.0118.C16.o3.tw	Method	TBLASTX:Wheat
Start	19284	End	19623
GI	none	Score	123
Exons	19284..19424, 19324..19461, 19486..19623, 19524..19622		
Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43195	Strand	+
Start	1	End	3578
Name	OJ991217_18.0118.C17.o1.np	Method	AAT/NAP
Start	1	End	3575
GI	4680179	Score	4904
Exons	1..167, 195..3575		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43195	Strand	+
Start	1	End	3578
Name	OJ991217_18.0118.C17.o1.gs	Method	GENSCAN
Start	48	End	3578
GI	none	Score	.49
Exons	48..1989, 2104..3578		
Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43196	Strand	+
Start	4090	End	7881
Name	OJ991217_18.0118.C17.o2.gs	Method	GENSCAN
Start	4090	End	7881
GI	none	Score	.81
Exons	4090..4227, 4253..4576, 4630..4807, 6013..6101, 7081..7881		
Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43197	Strand	+
Start	8082	End	14144
Name	OJ991217_18.0118.C17.o2.np	Method	AAT/NAP
Start	8082	End	12561
GI	4680179	Score	5545
Exons	8082..9135, 9163..12561		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43197	Strand	+
Start	8082	End	14144
Name	OJ991217_18.0118.C17.o3.gs	Method	GENSCAN
Start	8146	End	14144
GI	none	Score	.49
Exons	8146..8492, 8517..8694, 8791..9369, 9613..11488, 11927..12503, 12881..12927, 13192..13325, 13330..13515, 13589..13732, 14028..14144		
Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43198	Strand	+
Start	22681	End	22764

Name	OJ991217_18.0118.C17.o1.gp	Method	AAT/GAP
Start	22681	End	22764
GI	LIB3477-003-P1-K1-E9	Score	86
Exons	22681..22764		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43199	Strand	+
Start	25539	End	26935
Name	OJ991217_18.0118.C17.o4.np	Method	AAT/NAP
Start	25539	End	26935
GI	5911167	Score	1590
Exons	25539..26935		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43200	Strand	-
Start	15608	End	16533
Name	OJ991217_18.0118.C17.o4.gs	Method	GENSCAN
Start	15608	End	16533
GI	none	Score	.89
Exons	15608..16062, 16383..16533		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43201	Strand	-
Start	18088	End	18466
Name	OJ991217_18.0118.C17.o5.gs	Method	GENSCAN
Start	18088	End	18466
GI	none	Score	.79
Exons	18088..18159, 18218..18295, 18371..18466		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43202	Strand	-
Start	19114	End	22570
Name	OJ991217_18.0118.C17.o3.np	Method	AAT/NAP
Start	19112	End	21643
GI	2344891	Score	137
Exons	19112..19578, 21597..21643		
GI Descrip.	(AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43202	Strand	-
Start	19114	End	22570
Name	OJ991217_18.0118.C17.o6.gs	Method	GENSCAN
Start	19114	End	22570
GI	none	Score	.47
Exons	19114..20660, 22558..22570		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o9.tw	Method	TBLASTX:Wheat
Start	252	End	9549
GI	none	Score	249
Exons	252..605, 9241..9549, 9241..9519		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o9.tm	Method	TBLASTX:Maize
Start	609	End	9786
GI	none	Score	195
Exons	609..806, 647..754, 9675..9740, 9676..9786		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o4.tw	Method	TBLASTX:Wheat
Start	737	End	10206
GI	none	Score	533
Exons	737..1177, 738..1220, 762..1217, 847..1221, 9723..10163, 9724..10206, 9748..10203		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o5.ts	Method	TBLASTX:Soybean
Start	774	End	10074
GI	none	Score	198
Exons	774..1088, 9766..10074		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o5.tm	Method	TBLASTX:Maize
Start	807	End	10236
GI	none	Score	362
Exons	807..1250, 9789..10031, 9793..10236		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o1.ts	Method	TBLASTX:Soybean
Start	1161	End	10542
GI	none	Score	57
Exons	1161..1193, 1161..1190, 1197..1250, 1199..1240, 1305..1556, 1313..1546, 10147..10179, 10147..10179, 10183..10236, 10185..10226, 10291..10542, 10299..10532		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o6.tm	Method	TBLASTX:Maize
Start	1305	End	10623
GI	none	Score	310
Exons	1305..1637, 1358..1636, 10291..10623, 10344..10622		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o5.tw	Method	TBLASTX:Wheat
Start	1308	End	10557

GI	none	Score	373
Exons	1308..1571, 1310..1570, 10274..10348, 10294..10557, 10296..10556		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o3.tw	Method	TBLASTX:Wheat
Start	1572	End	10983
GI	none	Score	601
Exons	1572..1997, 1574..1990, 1647..1997, 10558..10983, 10560..10976, 10633..10983		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o4.ts	Method	TBLASTX:Soybean
Start	1578	End	10812
GI	none	Score	207
Exons	1578..1826, 10564..10812		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o2.tm	Method	TBLASTX:Maize
Start	1644	End	10983
GI	none	Score	465
Exons	1644..1997, 1649..1990, 10630..10983, 10635..10976		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o2.tw	Method	TBLASTX:Wheat
Start	2025	End	11550
GI	none	Score	608
Exons	2025..2564, 2207..2560, 2311..2565, 11011..11550, 11193..11546		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o2.tc	Method	TBLASTX:Cress
Start	2262	End	11574
GI	none	Score	90
Exons	2262..2444, 2445..2588, 2447..2587, 11248..11430, 11431..11574, 11442..11573		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o2.ts	Method	TBLASTX:Soybean
Start	2352	End	11598
GI	none	Score	288
Exons	2352..2612, 2363..2611, 11338..11598, 11349..11597		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o4.tm	Method	TBLASTX:Maize

Start	2411	End	11688
GI	none	Score	398
Exons	2411..2698, 2412..2702, 2577..2699, 11396..11683, 11397..11684, 11397..11684, 11398..11688		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o1.tw	Method	TBLASTX:Wheat
Start	2571	End	12183
GI	none	Score	705
Exons	2571..3197, 2630..3076, 3137..3196, 11557..12183, 11560..12174		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o1.tm	Method	TBLASTX:Maize
Start	2750	End	12321
GI	none	Score	226
Exons	2750..2905, 2751..2912, 2909..3073, 2910..3335, 3069..3314, 3137..3334, 11736..11882, 11737..11898, 11738..11887, 11743..11889, 11896..12321, 11910..12068, 12055..12300, 12123..12320		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o6.tw	Method	TBLASTX:Wheat
Start	3197	End	12516
GI	none	Score	312
Exons	3197..3478, 3198..3530, 3348..3509, 12183..12464, 12184..12516		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o10.tw	Method	TBLASTX:Wheat
Start	8307	End	8505
GI	none	Score	213
Exons	8307..8504, 8308..8505		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o7.tw	Method	TBLASTX:Wheat
Start	8556	End	8907
GI	none	Score	305
Exons	8556..8687, 8557..8907, 8705..8803		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o8.tm	Method	TBLASTX:Maize
Start	8557	End	8862
GI	none	Score	234
Exons	8557..8862, 8557..8802		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17

Gene No.	43203	Strand	-
Start	23304	End	24161
Name	OJ991217_18.0118.C17.o7.gs	Method	GENSCAN
Start	23304	End	24161
GI	none	Score	.94
Exons	23304..23757, 24055..24161		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43204	Strand	
Start	25545	End	25918
Name	OJ991217_18.0118.C17.o7.tm	Method	TBLASTX:Maize
Start	25545	End	25918
GI	none	Score	195
Exons	25545..25754, 25548..25757, 25558..25803, 25800..25910, 25826..25918		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43205	Strand	
Start	25954	End	26409
Name	OJ991217_18.0118.C17.o3.ts	Method	TBLASTX:Soybean
Start	25954	End	26247
GI	none	Score	207
Exons	25954..26247		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43205	Strand	
Start	25954	End	26409
Name	OJ991217_18.0118.C17.o11.tw	Method	TBLASTX:Wheat
Start	25972	End	26409
GI	none	Score	140
Exons	25972..26247, 26314..26409		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43206	Strand	
Start	26313	End	26934
Name	OJ991217_18.0118.C17.o1.tc	Method	TBLASTX:Cress
Start	26313	End	26646
GI	none	Score	131
Exons	26313..26450, 26314..26481, 26482..26613, 26488..26646		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43206	Strand	
Start	26313	End	26934
Name	OJ991217_18.0118.C17.o8.tw	Method	TBLASTX:Wheat
Start	26428	End	26892
GI	none	Score	142
Exons	26428..26592, 26439..26591, 26458..26607, 26599..26694, 26601..26693, 26697..26732, 26740..26892		

Seq. No.	20712	Seq. ID	OJ991217_18.0118.C17
Gene No.	43206	Strand	
Start	26313	End	26934
Name	OJ991217_18.0118.C17.o3.tm	Method	TBLASTX:Maize
Start	26491	End	26934
GI	none	Score	271
Exons	26491..26724, 26491..26730, 26499..26732, 26739..26933, 26740..26934		

Seq. No.	20713	Seq. ID	OJ991217_18.0118.C18
Gene No.	43207	Strand	+
Start	1	End	1315
Name	OJ991217_18.0118.C18.o1.np	Method	AAT/NAP
Start	1	End	508
GI	5911167	Score	647
Exons	1..508		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	20713	Seq. ID	OJ991217_18.0118.C18
Gene No.	43207	Strand	+
Start	1	End	1315
Name	OJ991217_18.0118.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	418
GI	none	Score	362
Exons	2..418, 94..417		

Seq. No.	20713	Seq. ID	OJ991217_18.0118.C18
Gene No.	43207	Strand	+
Start	1	End	1315
Name	OJ991217_18.0118.C18.o1.ts	Method	TBLASTX:Soybean
Start	5	End	370
GI	none	Score	83
Exons	5..121, 158..370, 238..369		

Seq. No.	20713	Seq. ID	OJ991217_18.0118.C18
Gene No.	43207	Strand	+
Start	1	End	1315
Name	OJ991217_18.0118.C18.o1.tw	Method	TBLASTX:Wheat
Start	59	End	1315
GI	none	Score	316
Exons	59..484, 245..430, 250..459, 947..1099, 973..1098, 1124..1210, 1253..1315		

Seq. No.	20713	Seq. ID	OJ991217_18.0118.C18
Gene No.	43207	Strand	+
Start	1	End	1315
Name	OJ991217_18.0118.C18.o1.gs	Method	GENSCAN
Start	362	End	1231
GI	none	Score	.83
Exons	362..687, 769..856, 938..1231		

Seq. No.	20714	Seq. ID	OJ991217_18.0118.C19
Gene No.	43208	Strand	-
Start	1	End	535
Name	OJ991217_18.0118.C19.o1.np	Method	AAT/NAP
Start	1	End	509
GI	5852179	Score	244
Exons	1..194, 269..509		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	20714	Seq. ID	OJ991217_18.0118.C19
Gene No.	43208	Strand	-
Start	1	End	535
Name	OJ991217_18.0118.C19.o1.gs	Method	GENSCAN
Start	3	End	535

GI	none	Score	.99
Exons	3..535		

Seq. No.	20715	Seq. ID	OJ991217_18.0118.C20
Gene No.	43209	Strand	+
Start	253	End	1286
Name	OJ991217_18.0118.C20.o1.np	Method	AAT/NAP
Start	253	End	1286
GI	6539588	Score	204
Exons	253..279, 1014..1286		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	20715	Seq. ID	OJ991217_18.0118.C20
Gene No.	43209	Strand	+
Start	253	End	1286
Name	OJ991217_18.0118.C20.o1.gs	Method	GENSCAN
Start	269	End	1236
GI	none	Score	.63
Exons	269..386, 572..688, 1045..1236		

Seq. No.	20716	Seq. ID	OJ991217_18.0118.C21
Gene No.	43210	Strand	-
Start	27	End	641
Name	OJ991217_18.0118.C21.o1.np	Method	AAT/NAP
Start	27	End	641
GI	6063554	Score	61
Exons	27..249, 334..641		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	20716	Seq. ID	OJ991217_18.0118.C21
Gene No.	43210	Strand	-
Start	27	End	641
Name	OJ991217_18.0118.C21.o1.gs	Method	GENSCAN
Start	95	End	519
GI	none	Score	.51
Exons	95..298, 304..519		

Seq. No.	20717	Seq. ID	OJ991217_14.0118.C1
Gene No.	43211	Strand	+
Start	382	End	479
Name	OJ991217_14.0118.C1.o1.gp	Method	AAT/GAP
Start	382	End	479
GI	90742_1.R1084	Score	119
Exons	382..479		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43212	Strand	+
Start	365	End	1261
Name	OJ991217_14.0118.C2.o1.gs	Method	GENSCAN
Start	365	End	1261
GI	none	Score	.4
Exons	365..388, 431..502, 607..676, 1074..1261		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43213	Strand	+
Start	8768	End	11373
Name	OJ991217_14.0118.C2.o2.np	Method	AAT/NAP
Start	8768	End	11373
GI	3688171	Score	236
Exons	8768..8828, 10008..10210, 10368..10428, 10751..10787, 11120..11373		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43213	Strand	+
Start	8768	End	11373
Name	OJ991217_14.0118.C2.o4.gs	Method	GENSCAN
Start	9864	End	11361
GI	none	Score	.95
Exons	9864..9920, 9992..10210, 10368..10428, 10751..10787, 11289..11361		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43214	Strand	-
Start	2281	End	3806
Name	OJ991217_14.0118.C2.o2.gs	Method	GENSCAN
Start	2281	End	3806
GI	none	Score	1
Exons	2281..3120, 3486..3806		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43214	Strand	-
Start	2281	End	3806
Name	OJ991217_14.0118.C2.o1.np	Method	AAT/NAP
Start	2287	End	3776
GI	3688170	Score	423
Exons	2287..2378, 2451..2773, 2837..3120, 3486..3588, 3667..3776		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43214	Strand	-
Start	2281	End	3806
Name	OJ991217_14.0118.C2.o1.tc	Method	TBLASTX:Cress
Start	2476	End	2970
GI	none	Score	282
Exons	2476..2691, 2477..2692, 2872..2970		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43214	Strand	-
Start	2281	End	3806
Name	OJ991217_14.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	2476	End	2685
GI	none	Score	277
Exons	2476..2685, 2480..2680		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43214	Strand	-
Start	2281	End	3806
Name	OJ991217_14.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	2476	End	2685

GI	none	Score	277
Exons	2476..2685, 2480..2680		

Seq. No.	20718	Seq. ID	OJ991217_14.0118.C2
Gene No.	43215	Strand	
Start	9862	End	10193
Name	OJ991217_14.0118.C2.o2.tm	Method	TBLASTX:Maize
Start	9862	End	10193
GI	none	Score	39
Exons	9862..9897, 9863..9940, 9871..9942, 9872..9943, 9989..10111, 9989..10024, 9991..10152, 9991..10158, 10116..10193		

Seq. No.	20719	Seq. ID	OJ991217_14.0118.C3
Gene No.	43216	Strand	+
Start	1243	End	1723
Name	OJ991217_14.0118.C3.o1.gs	Method	GENSCAN
Start	1243	End	1654
GI	none	Score	.49
Exons	1243..1654		

Seq. No.	20719	Seq. ID	OJ991217_14.0118.C3
Gene No.	43216	Strand	+
Start	1243	End	1723
Name	OJ991217_14.0118.C3.o2.gp	Method	AAT/GAP
Start	1531	End	1723
GI	uC-osroM202011h11a1	Score	367
Exons	1531..1723		
GI Descrip.	'2062172 2.0e-11 (AC001645) unknown protein [Arabidopsis thaliana]'		

Seq. No.	20719	Seq. ID	OJ991217_14.0118.C3
Gene No.	43217	Strand	-
Start	1	End	203
Name	OJ991217_14.0118.C3.o1.gp	Method	AAT/GAP
Start	1	End	203
GI	none	Score	366
Exons	1..203		

Seq. No.	20720	Seq. ID	OJ991217_14.0118.C4
Gene No.	43218	Strand	+
Start	1	End	1076
Name	OJ991217_14.0118.C4.o1.np	Method	AAT/NAP
Start	1	End	858
GI	2062172	Score	143
Exons	1..55, 523..683, 716..858		
GI Descrip.	(AC001645) unknown protein [Arabidopsis thaliana]		

Seq. No.	20720	Seq. ID	OJ991217_14.0118.C4
Gene No.	43218	Strand	+
Start	1	End	1076
Name	OJ991217_14.0118.C4.o1.gs	Method	GENSCAN
Start	499	End	938
GI	none	Score	.51
Exons	499..796, 919..938		

Seq. No.	20720	Seq. ID	OJ991217_14.0118.C4
Gene No.	43218	Strand	+

Start	1	End	1076
Name	OJ991217_14.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	520	End	1076
GI	none	Score	462
Exons	520..861, 525..857, 605..865, 993..1076		

Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o1.gs	Method	GENSCAN
Start	350	End	7737
GI	none	Score	.75
Exons	350..466, 1212..1248, 1368..1547, 2789..3069, 3197..3259, 3533..3588, 3992..4063, 4143..4248, 4339..4389, 4603..4698, 4902..5015, 5138..5224, 5407..5510, 5680..5775, 6217..6337, 6589..6720, 6821..7072, 7159..7302, 7373..7559, 7640..7737		

Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	2880	End	4807
GI	none	Score	66
Exons	2880..2960, 2884..2979, 2932..3072, 3006..3074, 3197..3259, 3199..3258, 3503..3589, 3532..3591, 3992..4063, 3993..4064, 4141..4248, 4143..4250, 4144..4248, 4336..4389, 4338..4397, 4605..4646, 4606..4695, 4644..4712, 4769..4807, 4774..4806		

Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o1.np	Method	AAT/NAP
Start	2963	End	8172
GI	4689328	Score	1111
Exons	2963..3069, 3197..3259, 3533..3588, 3992..4063, 4143..4248, 4339..4389, 4603..4698, 4775..4834, 4902..5015, 5138..5224, 5407..5493, 5672..5775, 6217..6337, 6418..6498, 6589..6675, 6827..7033, 7159..7302, 7373..7559, 7640..7744, 7873..8172		
GI Descrip.	(AF132552) BcDNA.GM01838 [Drosophila melanogaster]		

Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o3.tc	Method	TBLASTX:Cress
Start	2965	End	4978
GI	none	Score	99
Exons	2965..3072, 3006..3074, 3197..3259, 3199..3258, 3503..3589, 3529..3591, 3532..3591, 3991..4062, 3992..4063, 3993..4064, 4141..4245, 4146..4247, 4147..4248, 4590..4697, 4593..4712, 4594..4713, 4769..4843, 4774..4836, 4901..4978, 4902..4976		

Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o3.ts	Method	TBLASTX:Soybean
Start	3021	End	5230
GI	none	Score	50

Exons	3021..3071, 3022..3072, 3197..3256, 3197..3250, 3533..3589, 3971..4057, 3993..4058, 4144..4248, 4605..4730, 4606..4713, 4769..4837, 4777..4836, 4901..5002, 4902..5006, 5141..5230		
Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	4904	End	6636
GI	none	Score	193
Exons	4904..5017, 4908..5018, 5137..5226, 5138..5239, 5138..5227, 5397..5498, 5400..5522, 5407..5511, 5669..5773, 5680..5775, 5682..5771, 5683..5772, 6200..6337, 6213..6332, 6218..6337, 6418..6516, 6418..6501, 6588..6635, 6588..6635, 6592..6636		
Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	5430	End	6722
GI	none	Score	98
Exons	5430..5522, 5431..5511, 5677..5775, 5684..5776, 6217..6336, 6218..6337, 6418..6516, 6421..6516, 6588..6722, 6592..6690		
Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o1.gp	Method	AAT/GAP
Start	6217	End	6529
GI	uC-osflcyp002a01b1	Score	309
Exons	6217..6337, 6418..6529		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 8.0e-15 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		
Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	6217	End	6699
GI	none	Score	207
Exons	6217..6336, 6218..6337, 6220..6339, 6418..6516, 6421..6498, 6423..6500, 6588..6671, 6588..6680, 6592..6699, 6595..6687		
Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	6670	End	7929
GI	none	Score	66
Exons	6670..6717, 6671..6721, 6820..6849, 6867..7085, 6867..7085, 7136..7303, 7150..7311, 7158..7319, 7357..7560, 7370..7540, 7370..7561, 7372..7560, 7626..7736, 7626..7736, 7627..7737, 7627..7746, 7869..7928, 7869..7928, 7870..7929		

Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	7197	End	7895
GI	none	Score	180
Exons	7197..7319, 7198..7311, 7357..7566, 7370..7540, 7381..7566, 7633..7734, 7642..7737, 7644..7736, 7869..7895		

Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o2.tc	Method	TBLASTX:Cress
Start	7400	End	7930
GI	none	Score	180
Exons	7400..7540, 7402..7560, 7626..7754, 7627..7749, 7647..7751, 7872..7928, 7874..7930		

Seq. No.	20721	Seq. ID	OJ991217_14.0118.C5
Gene No.	43219	Strand	+
Start	350	End	8172
Name	OJ991217_14.0118.C5.o2.gp	Method	AAT/GAP
Start	7459	End	7930
GI	LIB3434-055-P1-K1-E1	Score	434
Exons	7459..7559, 7640..7737, 7869..7930		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 5.0e-34 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	20722	Seq. ID	OJ991217_14.0118.C6
Gene No.	43220	Strand	-
Start	145	End	414
Name	OJ991217_14.0118.C6.o1.gp	Method	AAT/GAP
Start	145	End	414
GI	6523_1.R1084	Score	481
Exons	145..414		
GI Descrip.	'4803924/gb|AAD29797.1|AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	20722	Seq. ID	OJ991217_14.0118.C6
Gene No.	43220	Strand	-
Start	145	End	414
Name	OJ991217_14.0118.C6.o1.gs	Method	GENSCAN
Start	145	End	364
GI	none	Score	.97
Exons	145..364		

Seq. No.	20723	Seq. ID	OJ991217_14.0118.C7
Gene No.	43221	Strand	-
Start	332	End	452
Name	OJ991217_14.0118.C7.o1.gs	Method	GENSCAN
Start	332	End	452
GI	none	Score	.74
Exons	332..350, 424..452		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o6.tm	Method	TBLASTX:Maize
Start	671	End	915
GI	none	Score	41
Exons	671..733, 703..915, 794..883		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o1.gs	Method	GENSCAN
Start	676	End	5254
GI	none	Score	.67
Exons	676..3969, 4058..5254		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o1.np	Method	AAT/NAP
Start	679	End	5257
GI	4680179	Score	6643
Exons	679..5257		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o6.tw	Method	TBLASTX:Wheat
Start	724	End	1057
GI	none	Score	104
Exons	724..1056, 788..1057		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	916	End	1503
GI	none	Score	146
Exons	916..1185, 917..1177, 932..1228, 1246..1344, 1247..1342, 1276..1344, 1342..1503, 1349..1495, 1351..1497		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o1.tw	Method	TBLASTX:Wheat
Start	1057	End	1683
GI	none	Score	351
Exons	1057..1683, 1058..1627		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o3.tm	Method	TBLASTX:Maize
Start	1552	End	1844
GI	none	Score	150
Exons	1552..1842, 1556..1741, 1561..1773, 1653..1844		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o2.ts	Method	TBLASTX:Soybean
Start	1642	End	1902
GI	none	Score	52
Exons	1642..1710, 1642..1902, 1796..1897		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o1.tc	Method	TBLASTX:Cress
Start	1666	End	1992
GI	none	Score	90
Exons	1666..1809, 1810..1992		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o3.tw	Method	TBLASTX:Wheat
Start	1690	End	2169
GI	none	Score	219
Exons	1690..2169, 1691..2074, 1696..2151		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o2.tw	Method	TBLASTX:Wheat
Start	2173	End	2682
GI	none	Score	305
Exons	2173..2682, 2264..2650		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o2.tm	Method	TBLASTX:Maize
Start	2257	End	2610
GI	none	Score	137
Exons	2257..2610, 2272..2568, 2342..2608		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o3.ts	Method	TBLASTX:Soybean
Start	2431	End	2673
GI	none	Score	197
Exons	2431..2673		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o5.tm	Method	TBLASTX:Maize
Start	2611	End	2964
GI	none	Score	117
Exons	2611..2964, 2693..2953		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o5.tw	Method	TBLASTX:Wheat
Start	2683	End	2985
GI	none	Score	201
Exons	2683..2985, 2684..2947		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o1.ts	Method	TBLASTX:Soybean
Start	2698	End	3093
GI	none	Score	126
Exons	2698..3057, 2699..2941, 2916..3050, 2980..3054, 3061..3093, 3061..3093		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o4.tm	Method	TBLASTX:Maize
Start	2980	End	3451
GI	none	Score	100
Exons	2980..3447, 3013..3360, 3206..3451		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o4.tw	Method	TBLASTX:Wheat
Start	3034	End	3520
GI	none	Score	313
Exons	3034..3516, 3077..3520		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o4.ts	Method	TBLASTX:Soybean
Start	3166	End	3447
GI	none	Score	66
Exons	3166..3447, 3167..3364		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o8.tw	Method	TBLASTX:Wheat
Start	3691	End	4048
GI	none	Score	79
Exons	3691..3981, 3727..3861, 3980..4048		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o8.tm	Method	TBLASTX:Maize
Start	3778	End	4102
GI	none	Score	92
Exons	3778..3981, 3980..4102		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o7.tm	Method	TBLASTX:Maize
Start	4448	End	4745
GI	none	Score	64
Exons	4448..4744, 4538..4654, 4557..4745		

Seq. No.	20724	Seq. ID	OJ991217_14.0118.C9
Gene No.	43222	Strand	-
Start	676	End	5257
Name	OJ991217_14.0118.C9.o7.tw	Method	TBLASTX:Wheat
Start	4625	End	4988
GI	none	Score	84
Exons	4625..4984, 4626..4859, 4884..4988		

Seq. No.	20725	Seq. ID	OJ991217_14.0118.C11
Gene No.	43223	Strand	-
Start	121	End	272
Name	OJ991217_14.0118.C11.o1.gs	Method	GENSCAN
Start	121	End	272
GI	none	Score	.73
Exons	121..272		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43224	Strand	+
Start	1	End	2689
Name	OJ991217_14.0118.C12.o1.np	Method	AAT/NAP
Start	1	End	2689
GI	6691716	Score	1985
Exons	1..663, 859..1036, 1113..1209, 1286..1471, 1549..1736, 1811..1913, 2063..2176, 2250..2689		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43224	Strand	+
Start	1	End	2689
Name	OJ991217_14.0118.C12.o1.gs	Method	GENSCAN
Start	325	End	2593
GI	none	Score	.83
Exons	325..659, 876..988, 1113..1471, 1549..1736, 1811..2000, 2063..2176, 2250..2593		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43225	Strand	+
Start	6443	End	10933
Name	OJ991217_14.0118.C12.o3.np	Method	AAT/NAP
Start	6443	End	9722
GI	5295955	Score	452
Exons	6443..6797, 7038..7107, 7650..7764, 8444..8547, 8686..9070, 9178..9722		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12

Gene No.	43225	Strand	+
Start	6443	End	10933
Name	OJ991217_14.0118.C12.o3.gs	Method	GENSCAN
Start	8713	End	8841
GI	none	Score	.99
Exons	8713..8841		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43225	Strand	+
Start	6443	End	10933
Name	OJ991217_14.0118.C12.o4.gs	Method	GENSCAN
Start	9243	End	10933
GI	none	Score	.54
Exons	9243..9562, 9981..10158, 10928..10933		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43226	Strand	-
Start	3031	End	7817
Name	OJ991217_14.0118.C12.o2.gs	Method	GENSCAN
Start	3031	End	7817
GI	none	Score	.65
Exons	3031..3456, 3504..3994, 4118..4630, 5974..6022, 6509..6610, 6664..6884, 7754..7817		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43226	Strand	-
Start	3031	End	7817
Name	OJ991217_14.0118.C12.o2.np	Method	AAT/NAP
Start	3034	End	7129
GI	5902445	Score	2306
Exons	3034..4618, 7031..7129		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43226	Strand	-
Start	3031	End	7817
Name	OJ991217_14.0118.C12.o1.gp	Method	AAT/GAP
Start	4516	End	6806
GI	61605_1.R1084	Score	635
Exons	4516..4785, 5917..5997, 6637..6806		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o2.tw	Method	TBLASTX:Wheat
Start	3043	End	3641
GI	none	Score	56
Exons	3043..3180, 3166..3450, 3368..3439, 3456..3641, 3477..3506, 3547..3636		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o2.tm	Method	TBLASTX:Maize
Start	3082	End	3345

GI	none	Score	70
Exons	3082..3183, 3110..3184, 3163..3345, 3164..3223		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o1.tw	Method	TBLASTX:Wheat
Start	3643	End	4025
GI	none	Score	236
Exons	3643..4020, 3645..4025, 3771..4025		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o1.tm	Method	TBLASTX:Maize
Start	3801	End	4166
GI	none	Score	241
Exons	3801..3848, 3840..4163, 3841..4143, 3858..4166		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o4.tw	Method	TBLASTX:Wheat
Start	4119	End	4460
GI	none	Score	135
Exons	4119..4259, 4326..4460		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o5.gs	Method	GENSCAN
Start	11265	End	12380
GI	none	Score	.49
Exons	11265..12380		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o4.np	Method	AAT/NAP
Start	11326	End	13244
GI	4680179	Score	796
Exons	11326..12364, 13164..13244		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o3.tm	Method	TBLASTX:Maize
Start	11667	End	11981
GI	none	Score	44
Exons	11667..11753, 11718..11981, 11794..11958		

Seq. No.	20726	Seq. ID	OJ991217_14.0118.C12
Gene No.	43227	Strand	-
Start	11265	End	13244
Name	OJ991217_14.0118.C12.o3.tw	Method	TBLASTX:Wheat
Start	11862	End	12218

GI	none	Score	81
Exons	11862..12218, 11863..12003, 11871..12011, 12040..12216		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43228	Strand	+
Start	4471	End	5229
Name	OJ991217_14.0118.C13.o1.gp	Method	AAT/GAP
Start	4471	End	5229
GI	5816562	Score	618
Exons	4471..4495, 4817..5229		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43229	Strand	+
Start	9885	End	10132
Name	OJ991217_14.0118.C13.o2.gp	Method	AAT/GAP
Start	9885	End	10132
GI	3761181	Score	442
Exons	9885..10132		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43230	Strand	+
Start	10273	End	20346
Name	OJ991217_14.0118.C13.o2.np	Method	AAT/NAP
Start	10273	End	15490
GI	5852180	Score	662
Exons	10273..10344, 13872..13927, 14915..15024, 15076..15490		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43230	Strand	+
Start	10273	End	20346
Name	OJ991217_14.0118.C13.o3.np	Method	AAT/NAP
Start	15069	End	20346
GI	5091513	Score	1582
Exons	15069..15092, 16989..18035, 18789..19085, 19226..19463, 19913..19967, 20112..20346		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43230	Strand	+
Start	10273	End	20346
Name	OJ991217_14.0118.C13.o6.gp	Method	AAT/GAP
Start	16182	End	16300
GI	5816518	Score	157
Exons	16182..16300		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43230	Strand	+
Start	10273	End	20346
Name	OJ991217_14.0118.C13.o7.gp	Method	AAT/GAP
Start	16308	End	16542

GI	3761181	Score	325
Exons	16308..16542		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43230	Strand	+
Start	10273	End	20346
Name	OJ991217_14.0118.C13.o7.gs	Method	GENSCAN
Start	18810	End	19591
GI	none	Score	.52
Exons	18810..19142, 19232..19591		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43231	Strand	-
Start	1	End	4770
Name	OJ991217_14.0118.C13.o1.np	Method	AAT/NAP
Start	1	End	4770
GI	5922631	Score	4539
Exons	1..27, 131..1215, 1822..2747, 2874..3024, 3067..3639, 3685..3884, 4143..4387, 4646..4770		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43232	Strand	-
Start	10678	End	10924
Name	OJ991217_14.0118.C13.o3.gp	Method	AAT/GAP
Start	10678	End	10924
GI	3761181	Score	429
Exons	10678..10924		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43233	Strand	-
Start	12621	End	14153
Name	OJ991217_14.0118.C13.o3.gs	Method	GENSCAN
Start	12621	End	14048
GI	none	Score	.81
Exons	12621..12947, 13983..14048		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43233	Strand	-
Start	12621	End	14153
Name	OJ991217_14.0118.C13.o4.gp	Method	AAT/GAP
Start	13768	End	14153
GI	uC-osflcyp033a04b1	Score	645
Exons	13768..14153		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43234	Strand	-
Start	14902	End	15609
Name	OJ991217_14.0118.C13.o5.gs	Method	GENSCAN
Start	14902	End	15609
GI	none	Score	.43
Exons	14902..15609		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o2.ts	Method	TBLASTX:Soybean
Start	141	End	529
GI	none	Score	114
Exons	141..389, 143..385, 425..529, 435..521		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o4.tw	Method	TBLASTX:Wheat
Start	152	End	520
GI	none	Score	200
Exons	152..520, 174..515		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o3.tm	Method	TBLASTX:Maize
Start	194	End	467
GI	none	Score	90
Exons	194..292, 296..466, 297..467		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o3.tw	Method	TBLASTX:Wheat
Start	557	End	989
GI	none	Score	91
Exons	557..985, 777..989		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	644	End	1088
GI	none	Score	128
Exons	644..670, 668..811, 830..1087, 833..1087, 834..1088		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	755	End	1186
GI	none	Score	41
Exons	755..1186, 789..929, 981..1139		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13

Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o2.tw	Method	TBLASTX:Wheat
Start	1031	End	1450
GI	none	Score	228
Exons	1031..1450, 1032..1424		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o2.tm	Method	TBLASTX:Maize
Start	1319	End	1675
GI	none	Score	181
Exons	1319..1675, 1329..1634		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o3.ts	Method	TBLASTX:Soybean
Start	1400	End	1765
GI	none	Score	129
Exons	1400..1534, 1541..1765		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o6.tw	Method	TBLASTX:Wheat
Start	1450	End	1684
GI	none	Score	134
Exons	1450..1611, 1451..1684, 1452..1682		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o1.tw	Method	TBLASTX:Wheat
Start	1685	End	2481
GI	none	Score	114
Exons	1685..1978, 1689..1850, 2025..2249, 2027..2248, 2305..2481		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o5.tw	Method	TBLASTX:Wheat
Start	3061	End	3463
GI	none	Score	108
Exons	3061..3462, 3155..3463		

Seq. No.	20727	Seq. ID	OJ991217_14.0118.C13
Gene No.	43235	Strand	-
Start	20192	End	20396
Name	OJ991217_14.0118.C13.o8.gs	Method	GENSCAN
Start	20192	End	20396
GI	none	Score	.8
Exons	20192..20396		

Seq. No.	20728	Seq. ID	OJ991217_14.0118.C14
Gene No.	43236	Strand	+